

GUY ROMELLE MAGAYANO

Software Engineer | Full Stack Developer

aspiredtechie2010@gmail.com | <https://guyromellemagayano.dev> | <https://www.linkedin.com/in/mguyromelle>

With over six years of professional experience, I'm driven to leverage my expertise in full-stack development to deliver high-performance and robust solutions that catalyze business growth and operational efficiency. Committed to high code quality through rigorous testing and code reviews. Known for strategic problem-solving and aligning technical skills with business goals. Seeking to contribute to dynamic, forward-thinking teams.

PROFESSIONAL EXPERIENCE

Senior WordPress Engineer at News Corp Australia (X-Team)

April 2023 – July 2023

Australia – Remote (Contractual, Full-time)

- **Optimized API Integrations:** Enhanced content updates and user engagement for high-profile publications like GQ and Vogue Australia by introducing caching mechanisms and refactoring integration code, ensuring efficiency and reliability.
- **Vertical Video Development:** Spearheaded the development and integration of vertical video content for Vogue Australia, optimizing performance and user experience. Collaborated with stakeholders and UI/UX designers, and created comprehensive documentation for future maintenance.
- **Front-End Testing:** Established front-end testing protocols for GQ and Vogue Australia using Jest, React Testing Library, and Cypress, significantly reducing critical bugs and ensuring application stability.
- **Development Automation:** Automated WordPress VIP local development setups for multiple brands using custom BASH scripts, enhancing team productivity.
- **Innovative User Features:** Developed an engaging mobile swiping feature for News Australia using custom JavaScript, improving user interactivity across stories.
- **Comprehensive Documentation:** Updated and expanded developer documentation on Confluence, reducing support queries and facilitating smoother project onboarding.

Senior Full Stack Engineer at Epic Design Labs

April 2020 – February 2023

Portland, Oregon, USA – Remote (Full-time)

- **Developed Custom Web Crawler:** Contributed to backend and frontend development of a custom web crawler for SEO reporting, integrating various technology stacks and automating deployment. Demonstrated technical leadership in guiding the project from concept to deployment.

Backend Development

- **Core Technologies:** Utilized Python, Django, Django REST Framework (DRF), PostgreSQL, and Go to ensure scalable, secure, and efficient processing of large-scale SEO data. Applied advanced problem-solving skills to optimize performance and scalability across multiple services and components.
- **Server and Infrastructure Management:** Managed server configuration and infrastructure using Django's ASGI, WSGI, and settings modules, ensuring smooth deployment across different environments (*development, staging, production*); Configured database connections, Stripe API integration, and Sentry for error monitoring; Utilized AWS services, including EC2, S3, and SES, for

scalable infrastructure and employed Django's built-in static file management to handle assets effectively; Developed and maintained deployment scripts using Fabric to automate deployments to AWS EC2 instances, utilizing Docker Compose for consistent environment setups and service orchestration.

- **Signup and User Onboarding:** Designed and implemented a comprehensive signup workflow, including creating new user accounts, sending confirmation emails, and verifying user details. Developed a custom Django model to store signup information securely and used Django REST Framework to create APIs for handling signup requests and user confirmation. Automated the creation of new user accounts and associated data, such as sites, upon successful signup confirmation, ensuring a seamless onboarding experience.
- **Teams Management:** Designed and implemented a robust team management module that supports creating, modifying, and deleting teams within the application. Developed Django models and serializers to manage team-related data, such as memberships, roles, and permissions. Implemented invitation functionality, allowing team owners to invite new members via email with customizable permissions and access levels. Managed team plans and membership types, ensuring each team has the appropriate resources and permissions according to its plan. This module also included features for managing team-related resources, such as sites and handling user roles dynamically within teams.
- **Uptime Monitoring and Notifications:** Developed an uptime monitoring system that tracks the availability and performance of websites. Implemented custom Django models to store uptime statistics, including status codes, response times, and errors, and created API endpoints for retrieving uptime data and generating uptime summaries. The system includes features for sending email notifications to users when their site's status changes, ensuring prompt attention to any issues. Additionally, implemented a management command to simulate uptime data for testing purposes.
- **Extended User Management:** Developed an extended user management module to enhance user profile management and permissions. Implemented custom serializers and viewsets to handle complex user data, including team-specific settings and permissions, enabled users to manage their configurations and permissions dynamically through a RESTful API. This module also supports the safe deletion of user accounts by managing related memberships and ensuring consistent team data integrity.
- **Support Ticketing System:** Developed a support ticketing system enabling users to submit support requests directly from the application. Implemented a RESTful API endpoint using Django REST Framework, allowing users to submit their issues or inquiries. Created email notification functionality to automatically forward support requests to the support team, ensuring timely and efficient handling of user issues.
- **Email Template Management:** Developed and maintained customizable email templates for signup notifications, team invitations, support ticket submissions, and uptime alerts. These templates, implemented using Django's template engine, provided users with clear instructions and direct links for further actions. The emails were designed to enhance user engagement and ensure a smooth transition from signup to active usage and effective communication for support requests.
- **Service Architecture:** Implemented service layers using Go and Django for key functions like verification, scanning, scheduling, and uptime monitoring, enabling modular and scalable processing pipelines. Managed critical service interactions to ensure reliable and timely execution of tasks.
- **Pagination and Serialization:** Implemented custom pagination classes and serializers to standardize API responses, improving the performance and usability of the application's API endpoints. This included managing user registration processes with enhanced serializers to capture and handle additional user data.

- **URL Routing and API Endpoints:** Designed and managed complex URL routing using Django REST Framework routers, including nested routing for related resources. This facilitated a clean and organized API structure, enabling efficient data retrieval and manipulation through RESTful endpoints.
- **CI/CD Pipeline Implementation and Automation:** Developed and maintained robust CI/CD pipelines using GitHub Actions. Automated the build, test, and deployment processes for the backend (Python, Node.js), frontend (React.js), and Go components. Integrated multi-stage Docker builds to optimize image sizes and streamline the deployment process, ensuring efficient and reliable releases. Automated deployments to AWS environments (*staging, production*) using custom deployment scripts, providing smooth and consistent rollouts.
- **Security and Authentication:** Implemented secure authentication and access control using Django's built-in features and Go services. This included CSRF protection, HTTPS enforcement, session management, and API rate limiting using Django REST Framework's throttling classes. Demonstrated a strong commitment to security best practices and the protection of user data.
- **Caching and Performance Optimization:** Developed caching mechanisms such as to store precomputed scan results, significantly reducing the overhead associated with recalculating data for frequently accessed scans. This approach ensured faster response times and minimized database load, contributing to overall system performance.
- **Payment Integration with Stripe:** Architected and implemented Stripe payment integration to manage customer subscriptions and payments; Developed services for Stripe customer management, including creating and retrieving customer IDs, handling subscription status, managing payment methods, and processing webhooks for real-time payment updates. This integration ensured a secure, efficient, and seamless payment experience for users, maintaining high standards of financial data integrity.
- **Support Services:** Created a RESTful API endpoint for users to submit support tickets and automatically email them to the support team. Ensured the system could handle user inquiries efficiently, improving user satisfaction by providing a direct channel for resolving issues.
- **AWS and Docker Integration:** Successfully deployed services in a pre-configured AWS environment, utilizing EC2, S3, and ECS for scalable and secure infrastructure management, managed load balancing and SSL certificates with Traefik, ensuring smooth traffic distribution and secure connections. Standardized development, staging, and production environments using Docker and Docker Compose, ensuring consistency and reliability across all deployment stages.

Frontend Development

- **Core Technologies:** Developed a highly dynamic and responsive frontend interface using TypeScript for type safety and React.js with Next.js for server-side rendering and improved SEO. These technologies created a robust, scalable application that ensures seamless navigation and a smooth user experience across all devices; Integrated Node.js on the front end to manage server-side logic, API routes, and middleware, ensuring that the front end could efficiently communicate with backend services and quickly handle complex operations.
- **UI/UX Design:** Utilized TailwindCSS for utility-first styling, allowing for rapid prototyping and consistent design across all components, which, in turn, enabled the development of a cohesive visual theme throughout the application, enhancing aesthetics and usability; Incorporated HeadlessUI for accessible and customizable UI components and Heroicons for modern, scalable iconography. These tools were essential in creating a user-friendly interface that is visually appealing and easy to navigate. Applied design thinking principles to ensure the interface was intuitive and aligned with user needs. These principles involved creating user personas, conducting usability testing, and iterating on designs based on user feedback to enhance the overall user experience.

- **Component Architecture:** Designed and developed a comprehensive suite of reusable components, including forms, alerts, buttons, dropdowns, layouts, and tables. These components were built flexibly, ensuring they could be easily integrated and adapted across different application parts. They created complex form-handling systems using Formik and Yup, which provided robust form validation, error handling, and dynamic field management. This was crucial for ensuring user input was consistently validated and processed accurately throughout the application.
- **State Management:** Implemented TanStack Query for efficient server-state management, enabling advanced features such as background data fetching, caching, synchronization, and pagination. This approach optimized data flow within the application, ensuring users always had access to the latest information without unnecessary reloads.
- **API Interactions:** Utilized Axios to handle HTTP requests and manage interactions with backend APIs, ensuring data integrity and reliable communication between the frontend and backend services. This included handling authentication, error responses, and data transformations.
- **Component Memoization:** Reduced unnecessary re-renders by implementing memoization techniques, significantly boosting the application's performance and responsiveness.
- **Dynamic Imports and Code Splitting:** Enhanced initial load times and overall application performance by dynamically importing components and splitting code into smaller, more manageable chunks loaded on demand.
- **Service Workers:** Implemented service workers to cache static assets and resources, improving load times and enabling offline capabilities. This was particularly beneficial for enhancing user experience in areas with poor connectivity.
- **Regular Performance Audits:** Conducted ongoing performance audits using tools like Google Lighthouse and Web Vitals to monitor key metrics such as load time, interactivity, and accessibility. This allowed for continuous application optimization, ensuring it remained fast and efficient as it scaled.
- **Automated Testing Frameworks:** Integrated Jest for unit testing, React Testing Library for component testing, and Cypress for end-to-end testing. Before deployment, these testing tools ensured that all frontend components were thoroughly vetted for reliability, functionality, and performance.
- **Comprehensive Test Coverage:** Focused on achieving high test coverage across all features, including edge cases and user interactions, to catch potential issues early in development and maintain the highest quality standards.
- **Responsive Design:** Developed responsive pages and layouts that adapt seamlessly to different screen sizes and devices, ensuring a consistent user experience on mobile, tablet, or desktop.
- **Dashboard and Settings Pages:** Created complex dashboard and settings pages with nested components and interactive elements, such as forms, modals, and tables, all designed to provide users with an intuitive and efficient interface for managing their data and preferences.
- **Multi-Language Support:** Implemented localization strategies to support multiple languages, allowing the application to cater to a global audience. This involved translating key UI elements and ensuring that all text, dates, and numbers were formatted correctly according to the user's locale.
- **Content Management:** Managed and updated content across different locales, ensuring consistency and relevance for users in other regions.
- **Custom Utility Functions:** Developed a range of utility functions to streamline everyday tasks, such as data formatting, state management, and API interactions. These utilities were essential for maintaining clean, DRY (*Don't Repeat Yourself*) code and speeding up development.

- **Helper Methods for Common Operations:** Implemented helper methods to handle common operations such as sorting, filtering, and pagination, ensuring consistency and reducing the likelihood of errors across the application.
- **Continuous Integration and Deployment:** Established a CI/CD pipeline to automate the testing and deployment. This included setting up automated builds, running tests, and deploying to staging and production environments, ensuring that new features and updates were delivered quickly and reliably.
- **Containerization:** Used Docker to containerize the frontend environment, enabling consistent development, testing, and deployment across different machines and environments. This approach also facilitated easier collaboration and quicker setup for new developers joining the project.
- **Git Workflow:** Employed a robust Git workflow, including feature branches, pull requests, and code reviews, to ensure code quality and facilitate collaboration among team members. This process helped maintain a clean, organized codebase with clear documentation and version history.
- **Documentation:** Provided detailed documentation for components, utilities, and workflows, making it easier for other developers to understand, maintain, and extend the application.
- **Integration with Third-Party Services:** The frontend was integrated with various third-party services and APIs, such as Stripe for payment processing, Google Analytics for tracking, and Sentry for error monitoring, to enhance functionality and provide a seamless user experience.
- **Security Best Practices:** Implemented security best practices throughout the frontend, including secure authentication flows, protection against common vulnerabilities (such as XSS and CSRF), and ensuring the application met all relevant data protection regulations.

Deployment and Maintenance

- **Containerization:** Deployed the application using Docker and Docker Compose, ensuring consistent environments across development, staging, and production. This approach facilitated seamless deployments and simplified environment management. Managed container orchestration with AWS ECS and Traefik for load balancing and SSL termination, ensuring a smooth, scalable, and secure deployment process.
- **CI/CD Pipeline:** Established a comprehensive CI/CD pipeline using GitHub Actions for automating build, test, and deployment processes across backend (*Python*, *Node.js*), frontend (*React.js*), and Go components. Integrated multi-stage Docker builds to optimize image sizes and streamline deployment, with automated deployments to AWS environments using custom deployment scripts.
- **Version Control and Collaboration:** Managed version control using Git and GitHub, employing a robust workflow that included feature branches, pull requests, and code reviews. This process ensured code quality, facilitated collaboration, and maintained a clean, organized codebase with clear documentation and version history.
- **Testing and Quality Assurance:** Implemented thorough testing strategies using Jest, React Testing Library, and Cypress for the frontend, and Django's test framework for the backend. These tests covered unit, integration, and end-to-end scenarios, ensuring the reliability, stability, and performance of the application before deployment.
- **Monitoring and Logging:** Utilized Sentry for error monitoring and Morgan for logging HTTP requests on the backend, coupled with Google Lighthouse and Web Vitals for performance monitoring on the frontend. These tools provided real-time insights into application health, allowing for proactive issue resolution and performance optimization.
- **Automated Deployments:** Automated the deployment process using Fabric and custom scripts, enabling seamless rollouts of new features and updates to AWS environments. This included

automated infrastructure provisioning, service orchestration, and environment consistency across development, staging, and production.

- **Developed Custom Wine Social App:** Led the full-stack development of mobile and web applications for a wine business, focusing on backend and frontend technologies to create a dynamic and user-centric platform.

Backend Development

- **Core Technologies:** Utilized Node.js with Express as the main framework and integrated GraphQL with Apollo to design a flexible, efficient API layer capable of handling complex data queries and real-time functionalities.
- **Database Management:** Managed a MongoDB database using Mongoose, implementing advanced data models for users, wineries, wines, and trips; Employed MongoDB seeding and migration scripts to populate the database and manage schema changes, ensuring data consistency.
- **Security:** Implemented secure password hashing with bcrypt.js; Used JSON Web Tokens (JWT) for secure authentication; Integrated security-focused middleware like Helmet and Lusca to protect against common vulnerabilities.
- **File Uploads and Image Processing:** Integrated Multer for handling file uploads and utilized Cloudinary for image storage, optimization, and delivery, enhancing performance and user experience.
- **Session Management and State Persistence:** Managed user sessions with express-session and cookies with cookie-parser, ensuring consistent state persistence and seamless user experience.
- **Email Notifications:** Configured Nodemailer with SendGrid for managing email notifications, ensuring reliable delivery of critical communications like user registrations and password resets.
- **Logging and Monitoring:** Integrated Morgan for HTTP logging and express-status-monitor for real-time server health tracking, aiding in performance monitoring and debugging.

Frontend Development

- **Core Technologies:** Developed the frontend using TypeScript for type safety, ReactJS for dynamic UI components, and Next.js for server-side rendering and SEO optimization; Utilized Redux for global state management and redux-thunk for handling asynchronous actions.
- **UI/UX Design:** Designed the user interface using TailwindCSS for styling and Headless UI for accessible, customizable components, ensuring a consistent and visually appealing design across the application.
- **Component Development:** Developed reusable components such as winery profiles, trip planners, and interactive maps. Leveraged react-hook-form for robust form handling and validation.
- **GraphQL Integration:** Integrated Apollo Client for efficient data fetching, caching, and management of GraphQL queries, critical for handling complex data interactions within the application.
- **Maps and Geolocation:** Implemented interactive maps using Google Maps React and integrated geolocation services to enhance the user experience with real-time location tracking and personalized recommendations.
- **Social Integration:** Added social login options using react-google-login and react-facebook-login, then implemented react-share for easy content sharing on social media platforms.
- **Drag-and-Drop Functionality:** React-beautiful-dnd is integrated to enable intuitive drag-and-drop interactions within the trip planner feature, enhancing the user experience.

- **Notifications and Alerts:** Developed a custom notification system to keep users informed about updates, trip reminders, and special offers, ensuring timely delivery of important information.
- **Performance Optimization:** Implemented code splitting, lazy loading, and React's memoization techniques to minimize load times, optimize performance, and improve responsiveness. Integrated service workers to cache assets and enable offline access.
- **Responsive Design:** Ensured cross-device compatibility, using React Native for the mobile version to provide a consistent experience across smartphones, tablets, and desktops.

Deployment and Maintenance

- **Containerization:** Deployed the application using Docker and Docker Compose, ensuring consistent environments across development, staging, and production for seamless deployments and simplified management.
- **CI/CD Pipeline:** Established a CI/CD pipeline using Heroku for deployment and GitHub Actions for automating testing, building, and deployment processes, ensuring continuous delivery with minimal downtime.
- **Version Control and Collaboration:** Managed version control using Git and GitHub, facilitating collaboration through a structured workflow that included feature branching, pull requests, and code reviews.
- **Testing and Quality Assurance:** Implemented a comprehensive testing strategy using Jest for unit testing, React Testing Library for component testing, and Cypress for end-to-end testing, ensuring the reliability and stability of front and backend components before deployment.
- **Automated Data Processes:** Enhanced operational efficiency by automating critical data processes, including web scraping and scheduled cron jobs, using sophisticated custom Python scripts.
- **Led Website Development:** Led the development of websites like RVGearPro and Duxiana, ensuring high-quality deliverables.
 - **Project Management:** Defined project goals and designed a headless architecture plan using BigCommerce, Contentful, and Optimizely APIs with a Gatsby.js (React.js) + TypeScript frontend. Demonstrated leadership in project planning and execution.
 - **Custom Plugins Development:** Developed custom Gatsby.js plugins for efficient data fetching and caching. Leveraged problem-solving skills to enhance site performance and scalability.
 - **Serverless Functions:** Utilized serverless functions (with Netlify Functions) with TypeScript and integrated Algolia Search. Demonstrated technical expertise in improving search functionalities and reducing server load.
 - **Hosting and CI/CD:** Hosted on Netlify, leveraging automated CI/CD pipelines and backup protocols. Applied technical leadership in maintaining deployment consistency and site reliability.
 - **Performance and Security Audits:** Conducted regular audits and optimizations for performance and security. Demonstrated a commitment to maintaining high security and performance standards.
 - **Testing and Quality Assurance:** Provided comprehensive testing with Jest, React Testing Library, and Cypress. Applied attention to detail in testing processes to maintain high-quality standards.
 - **Team Leadership:** Led a small development team, ensuring clear roles, regular code reviews, stand-ups, and continuous communication with stakeholders and other departments. Demonstrated leadership and communication skills in managing team dynamics and project outcomes.

Senior Full Stack Engineer at MultiplyMii

April 2020 – September 2021

Philippines – Remote (Full-time)

- **Pricing Calculator Implementation:** Led the implementation of a pricing calculator designed to streamline client interactions. This tool provided potential customers with an intuitive way to estimate service costs, facilitating more informed decision-making.
- **Full-Stack Development of Company Website:** Took charge of developing the company's website using Nuxt.js, a framework based on Vue.js, to build a dynamic and responsive user interface.
 - This approach supported server-side rendering, which enhanced both the website's SEO performance and loading speed.
 - Incorporated GSAP (GreenSock Animation Platform) to create visually appealing animations that improved user engagement. These animations were thoughtfully designed to emphasize key features and guide users effectively through the site.
 - Managed the deployment of the website on Google Cloud Platform, ensuring reliable hosting and scalability to accommodate varying levels of traffic.
 - Designed and implemented a modern user interface using Bulma UI, a CSS framework based on Flexbox, to ensure that the website was both aesthetically pleasing and responsive across different devices.
 - Focused on developing an intuitive user interface that was easy to navigate, resulting in an improved user experience and satisfaction.

Full Stack Engineer at MAKE Interactive BV

April 2019 – February 2020

Netherlands – Remote (Full-time)

- **WordPress Site Improvement:** Conducted thorough audits of the WordPress site to identify performance bottlenecks and areas for improvement. The audit process involved analyzing the site's speed, security, and overall user experience, providing actionable insights to enhance site performance.
 - **Advanced Caching Techniques:** Implemented industry-leading caching techniques using tools like WP Rocket and W3 Total Cache. These caching strategies significantly reduced load times and server strain, ensuring a smoother user experience and improved site speed.
 - **Image and Content Optimization:** Optimized images and content delivery through the use of Content Delivery Networks (CDNs), which distributed content more efficiently across global servers. This reduced latency and enhanced the accessibility and speed of the site for users in various geographical locations.
 - **Database Optimization:** Performed deep database optimization, which included cleaning up outdated and redundant data, optimizing database queries, and ensuring the database was streamlined for faster performance. This helped in reducing the overall load time of the website.
 - **UI Layout Fixes:** Addressed and fixed various UI layout issues, which improved the site's responsiveness and ensured a consistent appearance across different devices and screen sizes.
- **SaaS App Feature Development:** Contributed to developing and launching critical features of Driff, a SaaS application, using Create React App for a dynamic and responsive front-end.
 - **User Interface (UI) and User Experience (UX) Optimization:** Focused on delivering a seamless user interface (UI) and an intuitive user experience (UX). Worked closely with the design team to translate design mockups into functional and aesthetically pleasing UI components. Utilized React's component-based architecture to create reusable and maintainable components, contributing to a consistent user experience across the application.

- **State Management and Data Flow:** Implemented Redux for managing the global state, ensuring smooth and consistent data flow between various components. Used Redux Thunk to handle asynchronous actions, particularly for managing complex data fetching and real-time state updates, which were crucial for the application's interactive features.
- **Responsive Design:** Ensured that the front-end was fully responsive and provided a consistent user experience across all devices, including desktops, tablets, and smartphones. Achieved this through the use of CSS Flexbox, Grid, and media queries, combined with React's responsive components.
- **Component Development:** Developed a comprehensive library of reusable components that could be easily integrated across different parts of the application. These included custom input fields, modals, dashboards, and navigation menus, all designed for flexibility and reusability.
- **API Integration and Data Handling:** Integrated the front-end with backend APIs using Axios for HTTP requests. This involved managing authentication tokens, handling error responses, and ensuring secure and reliable data exchanges between the client and server.
- **Performance Optimization:** Focused on optimizing the performance of the application by implementing code splitting and lazy loading techniques to minimize initial load times. Used React's memoization techniques to reduce unnecessary re-renders, significantly improving the application's responsiveness and user experience.
- **Testing and Quality Assurance:** Maintained high code quality by writing comprehensive unit and integration tests using Jest and React Testing Library. This testing approach helped catch bugs early and ensured that new features did not introduce any regressions, maintaining the stability of the application.
- **Continuous Integration and Deployment:** Worked in close collaboration with the DevOps team to integrate the front-end code into the CI/CD pipeline. This included setting up automated build processes, running tests before deployment, and ensuring consistent delivery and deployment of the front-end code across staging and production environments.
- **Custom WordPress Plugin Development:** Engineered a custom WordPress plugin tailored for a shipping company to enhance their lead response and CRM processes. The plugin integrated advanced form-handling capabilities with Salesforce CRM, streamlining customer interactions and improving data management.
 - **Automated Bespoke Workflows:** Developed bespoke workflows within the plugin that automated routine tasks, reducing manual effort and increasing efficiency. The plugin was designed to be highly customizable, allowing the shipping company to tailor it to their specific business needs, ensuring ease of use and flexibility for end users.

Full Stack Engineer at Orth Enterprises, LLC

Houston, Texas, USA – Remote (Full-time)

April 2019 – August 2019

- **Website Enhancement:** Led the redesign and optimization of the Julva website using Hugo, improving user engagement and sales through a faster, more intuitive layout.
- **CSS Optimization:** Utilized SASS and followed BEM naming conventions for efficient CSS, while automating tasks with Gulp, ensuring streamlined development processes.
- **Performance Improvements:** Implemented web performance optimization techniques, including image compression and efficient loading of JavaScript and CSS, resulting in improved site speed and user experience.
- **Cross-Platform Compatibility:** Conducted extensive testing across various browsers and devices to ensure compatibility and responsiveness, providing a seamless user experience.

Full Stack Engineer at Outsourcing Wizards

January 2019 – March 2019

USA – Remote (Full-time)

- **Real Estate WordPress Plugin Development:** Spearheaded the development of a specialized WordPress plugin tailored to meet the unique needs of real estate websites. The plugin was designed to significantly improve site speed and user experience by offering optimized features specifically for the real estate domain.
 - **Custom Gutenberg Blocks Creation:** Developed custom Gutenberg blocks that allowed for flexible property listings, enhanced search functionality, and integrated contact forms. These blocks provided users with intuitive and easy-to-use interfaces to manage real estate content on their sites.
 - **Interactive Property Maps and Dynamic Filtering:** Integrated modules for interactive property maps and dynamic filtering options, leveraging PHP and JavaScript to create a more engaging and interactive browsing experience for users. These features were crucial for users who needed to quickly filter and locate properties based on specific criteria.
 - **Responsive Design and Theme Integration:** Ensured that the plugin was fully responsive, allowing it to perform seamlessly across various devices and screen sizes. Paid special attention to its compatibility with different WordPress themes, ensuring smooth integration and consistent performance regardless of the theme in use.
- **Custom WordPress Theme Boilerplate:** Led the creation of a custom WordPress theme boilerplate designed to serve as a foundational framework for multiple websites. This boilerplate was built using modern web technologies to ensure flexibility, performance, and ease of maintenance.
 - **Integration with Modern Front-End Technologies:** Utilized React.js and Node.js for developing dynamic front-end components, while Webpack was employed for efficient bundling and asset management. TailwindCSS and PostCSS were used to streamline styling, ensuring a modern and responsive design framework.
 - **JavaScript and PHP for Backend Integration:** Combined JavaScript with PHP to manage backend logic, allowing for smooth data handling and interactions between the front-end and the WordPress backend. This approach ensured that the boilerplate could be easily adapted and extended for various use cases across different projects.

Full Stack Engineer at Infosoft Studio

November 2014 – September 2018

Philippines – Remote (Full-time)

- **Government Websites Development:** Led the development of WordPress websites for Philippine government agencies, enhancing online visibility and user engagement by focusing on user-friendly design and scalable, secure platforms.
- **SEO Implementation:** Boosted the online presence of government agencies by implementing advanced SEO strategies, optimizing website content, structure, and mobile responsiveness.
- **Usability Testing & Feedback:** Conducted thorough usability testing and gathered user feedback to continuously refine website interfaces and functionality, ensuring the platforms met the needs of a diverse user base.
- **Training & Security Compliance:** Provided training for government staff on website management, ensured compliance with security protocols, and maintained adherence to data privacy laws and accessibility standards.
- **Ongoing Support & Maintenance:** Established and managed support and maintenance plans, ensuring websites remained up-to-date with the latest technological advancements and security patches.

ACHIEVEMENTS

- **Custom Web Crawler Development:** Contributed to the development and deployment of advanced web crawlers for SEO reporting and data analysis using Python, Django, and Go. Implemented efficient data processing pipelines, optimized backend performance, and ensured secure API integrations, resulting in a reliable tool for gathering and analyzing large datasets.
- **Performance Optimization:** Enhanced application responsiveness and reduced load times through advanced techniques like caching, component memoization, code splitting, and service workers. Regularly conducted performance audits with Google Lighthouse to maintain optimal user experience and ensure application efficiency.
- **API Integration:** Successfully integrated critical third-party APIs, including Stripe for payment processing and Sentry for error monitoring, into multiple projects. These integrations streamlined operations and significantly improved system reliability and user experience.
- **CI/CD Pipeline Implementation:** Developed and maintained robust CI/CD pipelines using Docker, Docker Compose, and GitHub Actions. Implemented multi-stage builds to optimize deployment processes, ensuring smooth and efficient rollouts across development, staging, and production environments.
- **Mobile and Web App Development:** Led the full-stack development of mobile and web applications, particularly in the wine industry, by creating flexible API layers with Node.js, GraphQL, and Apollo. Developed responsive, dynamic frontends using ReactJS, Next.js, and Redux, significantly enhancing user engagement and interaction.
- **Headless Architecture Design:** Implemented headless architecture for websites using Gatsby.js, BigCommerce, Contentful, and Optimizely, which enabled faster development cycles and more efficient feature deployment. Leveraged serverless functions to reduce server load and improve overall scalability.
- **Enhanced Search Functionality:** Improved search capabilities across various projects by integrating Algolia Search and optimizing backend queries. These enhancements provided faster, more accurate search results, boosting user retention and satisfaction.
- **Serverless Solutions:** Utilized serverless functions to enhance scalability and reduce operational costs for backend services. This approach led to more efficient resource management and simplified maintenance processes.
- **Development Automation:** Automated local development setups, repetitive tasks, and deployment processes, significantly increasing productivity and reducing the potential for errors. Created custom BASH scripts and integrated CI/CD tools to streamline workflows and improve efficiency.
- **Frontend Testing:** Pioneered robust frontend testing practices using Jest, React Testing Library, and Cypress, ensuring thorough testing of applications, reducing bugs, and enhancing stability before deployment.
- **SEO Strategies:** Applied advanced SEO strategies, including content optimization and technical enhancements, to significantly increase online visibility and drive traffic to various websites.
- **Team Leadership:** Successfully led and mentored development teams by focusing on clear communication, role definition, and continuous feedback, fostering a collaborative environment that contributed to successful project deliveries.
- **Comprehensive Documentation:** Created detailed and accessible documentation for various projects, reducing developer confusion, facilitating knowledge transfer, and decreasing support queries.

PROJECTS

Guy Romelle Magayano Portfolio Site

<https://github.com/guyromellemagayano/guyromellemagayano>

Official website of Guy Romelle Magayano

SKILLS

Technical Skills

- **Programming Languages:** JavaScript, TypeScript, Python, PHP, SQL
- **Frontend Development:** HTML5, CSS3, React.js (*Next.js*, *Gatsby.js*), Redux, Vue.js (*Nuxt.js*), Apollo, TailwindCSS, Bulma, Bootstrap, HeadlessUI, Heroicons
- **Backend Development:** Node.js, Express.js, Python, Django, Go
- **Database Management:** PostgreSQL, MongoDB (*Mongoose*), MySQL/MariaDB, SQLite
- **DevOps:** Docker, Docker Compose, AWS (*ECS*, *EC2*, *S3*), GitHub Actions, Heroku, Netlify, Vercel
- **Testing:** Jest, React Testing Library, Cypress, Unittest (*Python*)
- **API Integration:** REST, GraphQL, Stripe, Sentry, Cloudinary, Multer
- **Version Control:** Git, GitHub
- **Security:** JWT, bcrypt.js, CSRF Protection, HTTPS Enforcement, API Rate Limiting
- **Performance Optimization:** Caching, Component Memoization, Dynamic Imports, Code Splitting, Service Workers

Soft Skills

- **Communication:** Effectively communicated complex technical concepts to stakeholders, facilitating understanding and collaboration.
- **Teamwork:** Collaborated with cross-functional teams, ensuring cohesive and well-integrated project outcomes.
- **Problem-Solving:** Addressed critical issues in CI/CD pipelines, frontend optimizations, and backend services.
- **Leadership:** Led development teams with clear communication, role definition, and consistent feedback, improving team efficiency.
- **Mentoring:** Provided mentorship to junior developers, enhancing the overall skill level of the team.

CERTIFICATIONS

WebOps Certified Developer – Pantheon Platform

<https://www.credential.net/2d1bd34d-72e3-4537-b2cd-cf0d4af5ecc4#gs.br93g2>

Issued: September 2023

Credential ID: 84016169

EDUCATION

Bachelor of Science in Information Technology

University of Immaculate Conception

Davao City, Davao Del Sur, Philippines

Academic Year: 2010 - 2014