

GUY ROMELLE MAGAYANO

Software Engineer | Full Stack Developer

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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)

- **Fixed Ceros API Integrations:** Enhanced content updates and user engagement for GQ and Vogue Australia by introducing caching mechanisms and refactoring integration code for efficiency and reliability.
- **Developed Vertical Videos:** Contributed to the development and integration of vertical videos for Vogue Australia, optimizing performance and user experience. Collaborated with stakeholders and UI/UX designers, and created extensive documentation for future maintenance.
 - Implemented lazy loading and optimized thumbnails for video content.
 - Ensured full responsiveness and functionality across various mobile devices, through rigorous testing with native devices and with tools such as *Chrome and Webkit Dev Tools*.
 - Successfully deployed updates using *CircleCI* and *WordPress VIP*.
- **Documentation Updates:** Improved developer documentation on *Confluence*, reducing confusion and support queries.
- **Front-End Testing:** Pioneered front-end testing for GQ and Vogue Australia using *Jest, React Testing Library*, and *Cypress*, significantly reducing critical bugs and ensuring app stability.
- **Development Automation:** Automated *WordPress VIP* local development setups for GQ, Vogue Australia, The Australian, and NewsDNA using custom *BASH* scripts, boosting team productivity.
- **Innovative Features:** Developed a mobile swiping feature for News Australia with a combination of custom *JavaScript* scripts, enhancing user interactivity with left and right swipes between stories.
- **Plugin and Theme Fixes:** Contributed to fixing various custom *WordPress* plugins and themes.

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.
 - Utilized *Python, Django, Django REST Framework, PostgreSQL*, and *Go* for the backend.
 - Built the frontend with *TypeScript, ReactJS, Next.js*, and *Node.js*, incorporating *TailwindCSS, Headless UI*, and *Heroicons* for app UI, *Axios* for data fetching, *TanStack Query* for proper state management, and *Formik/Yup* for form functionality and validation.

- Enhanced performance with techniques like component memoization, state optimizations, server-side rendering, image optimization, dynamic imports, service workers, and regular performance audits using tools like Google Lighthouse.
 - Handled third-party API integrations (**Stripe**, **Sentry**) and contributed to **CI/CD pipeline** setup using **Docker**, **Docker Compose**, **GitHub Actions**, and **Traefik**.
 - Successfully deployed updates in a pre-configured **AWS** environment.
- Automated Data Processes:** Enhanced operational efficiency by automating critical data processes, including web scraping and scheduled cron jobs, using sophisticated **Python** scripts.
- Developed Mobile and Web Apps:** Led the full stack development of mobile and web apps for a wine business, increasing user engagement and revenue.
 - Used **TypeScript**, **Next.js**, **React Native**, **Redux**, **Express (Node.js)**, **GraphQL** with **Apollo**, and **MongoDB**.
 - Implemented features like user management, e-commerce, wine recommendations, event management, community engagement, customer support, analytics, and push notifications.
 - Optimized performance through query batching, database query optimization, Apollo caching, **Traefik** for traffic distribution, non-blocking operations, rate limiting, lazy loading, efficient navigation libraries, and regular performance monitoring.
- Led Website Development:** Led the development of websites like RVGearPro and Duxiana, ensuring high-quality deliverables.
 - Defined project goals and designed a headless architecture plan using **BigCommerce**, **Contentful**, and **Optimizely** APIs with a **Gatsby.js** + **TypeScript** frontend.
 - Developed custom **Gatsby.js** plugins for efficient data fetching and caching.
 - Utilized serverless functions with TypeScript and integrated **Algolia Search**.
 - Hosted on **Netlify**, leveraging automated **CI/CD pipelines** and backup protocols.
 - Conducted regular audits and optimizations for performance and security.
 - Provided comprehensive testing with **Jest**, **React Testing Library**, and **Cypress**.
 - Led a small development team, ensuring clear roles, regular code reviews, stand-ups, and continuous communication with stakeholders and other departments.

Senior Full Stack Engineer at MultiplyMii

April 2020 – September 2021

Philippines – Remote (Full-time)

- Pricing Calculator Implementation:** Streamlined client interactions and improved sales conversions by implementing a pricing calculator.
 - Developed the company website using **Nuxt.js (Vue.js)** in the frontend along with **GSAP** for animations, then deployed it on **Google Cloud Platform (GCP)**.
 - Designed modern and responsive UI features using **Bulma UI**.

Full Stack Engineer at MAKE Interactive BV

April 2019 – February 2020

Netherlands – Remote (Full-time)

- WordPress Site Improvement:** Reduced maintenance time and enhanced site performance by conducting comprehensive audits, implementing advanced caching techniques (WP Rocket, W3 Total Cache), and optimizing images and content delivery using CDNs.
 - Performed database optimization and fixed UI layout issues, enhancing site responsiveness.

- **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.
- **Custom WordPress Plugin Development:** Engineered a custom WordPress plugin for a shipping company to improve lead response and CRM processes, integrating advanced form handling capabilities and Salesforce CRM.
 - Developed bespoke workflows to automate tasks, ensuring the plugin was highly customizable and user-friendly.

Full Stack Engineer at Orth Enterprises, LLC

April 2019 – August 2019

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

- **Julva Website Enhancement:** Improved user engagement and sales by rebuilding and optimizing the Julva website using Hugo for a faster and more intuitive layout.
 - Leveraged **SASS** for efficient **CSS**, followed BEM naming conventions, and set up **Gulp** for automating repetitive tasks.
 - Employed web performance optimization best practices, including image compression and efficient loading of **JavaScript** and **CSS**.
 - Conducted thorough testing across various browsers and devices to ensure compatibility and responsiveness.

Full Stack Engineer at Outsourcing Wizards

January 2019 – March 2019

USA – Remote (Full-time)

- **Real Estate WordPress Plugin Development:** Enhanced site speed and user experience by developing a specialized WordPress plugin tailored for real estate websites.
 - Created **WordPress** Gutenberg blocks for property listings, search functionality, and contact forms.
 - Added modules for interactive property maps and dynamic filtering using **PHP** and **JavaScript**.
 - Focused on responsive design and seamless integration with various **WordPress** themes.
- **Custom WordPress Theme Boilerplate:** Led the development of a foundational framework for multiple websites using **React.js**, **Node.js**, **Webpack**, **TailwindCSS**, **PostCSS**, **JavaScript**, and **PHP**.

Full Stack Engineer at Infosoft Studio

November 2014 – September 2018

Philippines – Remote (Full-time)

- **WordPress Website Development for Government Agencies:** Enhanced online visibility and user experience for Philippine government agencies.
 - Spearheaded the development of **WordPress** websites, serving as the primary point of contact and project lead for clients including the City Government of Tagum and Davao.
 - Coordinated with government representatives to understand their specific needs and objectives, ensuring that the development aligned with their public service goals.
 - Oversaw the design process, emphasizing user-friendly interfaces that cater to a diverse range of citizens. Used Figma as the primary UI/UX tool.
 - Led a team of developers in building **WordPress** sites, focusing on creating scalable, secure, and easily navigable platforms. Ensured the use of clean, efficient code and adherence to best practices in WordPress development.

- Set up **VVV** (Varying Varying Vagrants) for the development team to use in local WordPress development.
- **Advanced SEO Strategies Implementation:** Enhanced the online visibility of government agencies.
 - Implemented advanced SEO strategies, including optimizing website content, improving site structure, and ensuring mobile responsiveness.
 - Utilized tools and plugins to monitor SEO performance and make adjustments as needed, driving increased traffic and engagement from the public.
 - Focused on optimizing the user experience, ensuring that information was easily accessible and that the websites facilitated efficient interaction between the public and the government agencies.
- **Usability Testing and Feedback Gathering:** Improved website interface and functionality.
 - Conducted usability testing and gathered user feedback to continuously improve the interface and functionality of the websites.
 - Facilitated content management solutions, allowing for easy updates and management of the website content by agency staff. Customized the **WordPress** dashboard to suit non-technical users.
- **Training and Security Protocols:** Ensured sustainability and security of websites.
 - Provided training sessions for government staff, enabling them to effectively manage and update the website, ensuring its long-term sustainability and relevance.
 - Ensured that the websites adhered to stringent security protocols, protecting sensitive data and preventing unauthorized access.
 - Complied with legal and regulatory requirements specific to government websites, including data privacy laws and accessibility standards.
- **Ongoing Support and Maintenance:** Ensured websites remained up-to-date.
 - Established ongoing support and maintenance plans for the websites, ensuring they remained up-to-date with the latest WordPress updates, security patches, and technological advancements.

ACHIEVEMENTS

- **Custom Web Crawler Development:** Successfully developed and deployed custom web crawlers for SEO reporting and data analysis, improving the ability to gather and analyze web data efficiently.
- **Performance Optimization:** Improved application responsiveness and reduced page load times through techniques such as caching, component memoization, state optimizations, server-side rendering, and image optimization.
- **API Integration:** Streamlined payment and error monitoring processes by integrating key third-party APIs like **Stripe** and **Sentry**, enhancing system reliability.
- **CI/CD Pipeline Implementation:** Developed and maintained robust **CI/CD pipelines** using **Docker**, **Docker Compose**, and **GitHub Actions**, minimizing downtime during updates and streamlining deployment processes.
- **Mobile and Web App Development:** Led the development of mobile and web applications, enhancing user engagement and revenue for clients in various industries.
- **Headless Architecture Design:** Implemented headless architecture for websites using technologies such as **Gatsby.js**, **BigCommerce**, **Contentful**, and **Optimizely**, facilitating faster development and deployment of new features.
- **Enhanced Search Functionality:** Integrated advanced search functionalities like **Algolia Search**, improving search speed and user retention rates.

- **Serverless Solutions:** Improved scalability and reduced server costs by utilizing serverless functions for backend operations.
- **Development Automation:** Automated local development setups and repetitive tasks, significantly boosting team productivity and efficiency.
- **Front-End Testing:** Pioneered and implemented robust front-end testing practices using **Jest**, **React Testing Library**, and **Cypress**, leading to significant reductions in critical bugs and enhanced app stability.
- **Government Websites:** Led the development of user-friendly and accessible **WordPress** websites for Philippine government agencies, enhancing online visibility and public service interactions.
- **SEO Strategies:** Implemented advanced SEO strategies, increasing online visibility and driving traffic and engagement for various websites.
- **Team Leadership:** Fostered high-performing team environments, leading to timely project deliveries, high team morale, and professional growth for team members.
- **Comprehensive Documentation:** Created extensive documentation for various projects, reducing developer confusion and support queries.
- **Interactive Features:** Developed interactive features such as mobile swiping for news articles and property maps for real estate websites, enhancing user engagement and experience.

PROJECTS

Guy Romelle Magayano Portfolio Site

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

Official website of Guy Romelle Magayano

Simple Backend Scripts

<https://github.com/guyromellemagayano/simple-backend-scripts>

Official website of Guy Romelle Magayano

Gatsby Source Plugin for BigCommerce and Optimizely/Episerver APIs

<https://github.com/guyromellemagayano/gatsby-source-bigcommerce-v2>,
<https://github.com/guyromellemagayano/gatsby-source-optimizely>

This unofficial Gatsby source plugins makes BigCommerce and Optimizely/Episerver APIs data available among Gatsby.js websites.

SKILLS

Technical Skills

HTML5, **CSS3**, **JavaScript**, **TypeScript**, **ReactJS** (Next.js, Gatsby.js), **VueJS** (Nuxt.js), **CSS Frameworks** (Bootstrap, Bulma, TailwindCSS, TailwindUI, Headless UI), **Testing** (Jest, React Testing Library, Cypress), **Hybrid Apps** (React Native), **Module Bundlers** (Webpack), **UX Design** (Figma), **PHP** (WordPress), **NodeJS** (Express.js), **Python** (Django), **Go**, **GraphQL** (Apollo), **Databases** (MySQL/MariaDB, PostgreSQL, MongoDB, SQLite), **APIs** (REST, GraphQL),

Serverless, Web Servers (Nginx, Apache), **Operating Systems** (Linux), **Terminal Shells** (BASH), **Virtualization** (Docker, Vagrant), **CI/CD** (GitHub Actions, CircleCI), **Cloud** (AWS, Amazon EC2, Amazon S3, AWS Lambda, Netlify), **Version Control** (Git, GitHub)

Soft Skills

Communication, Teamwork, Problem-Solving, Leadership, Mentoring

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