

Guadalupe Cruz

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<https://quadalupcruz.com/>

Skills

- **Languages:** Java, C++, HTML, CSS, JavaScript, Python, PHP, F#, Prolog
- **Frameworks & Libraries:** Laravel, React, DataTables.js, Chart.js, Bootstrap
- **Tools & Platforms:** Visual Studio Code, GitHub, WordPress, Postman, Azure, IIS Manager, phpMyAdmin, AWS, Redis

Experience

Full Stack Web Developer, Zettler Magnetics 2024 - Present

- Sole developer managing full-stack infrastructure for multi-region WordPress sites; led frontend/backend revamps and system modernization.
- Built a Laravel-based internal API to centralize SQL logic, automate backend processes, and integrate Digi-Key API product data.
- Migrated all websites from on-premise servers to Azure (cloud server), improving deployment speed, uptime, and scalability.
- Refactored legacy PHP code, restructured databases, and implemented Redis caching to reduce page load times from 8 seconds to under 2 seconds.
- Developed a reusable WordPress plugin to reduce code duplication and implemented DataTables.js and Chart.js for dynamic UI and analytics.

Lead Enrichment Coach, Treobytes 2023 - 2024

- Taught C++, Python, and STEM concepts to underserved youth in hands-on, project-based settings.
- Led a team of coaches, ensuring engaging instruction and consistent student outcomes.

Freelance Website Developer, S3 Coffee 2023

- Partnered with a local coffee shop to redesign its website using WordPress.
- Modernized the site with a structured layout, SEO optimizations, contact forms, and a mobile-friendly UI.

Project Work

Capstone Project: LLM Tools Development 2023 - 2024

- Leveraged LLM models to create internal tools for streamlining company operations.
- Utilized Python for data extraction and manipulation, optimizing tool functionality and user experience.

Education

California State University San Marcos

B.S. in Software Engineering — GPA: 3.75