RAFAEL AQUINO
Full-Stack Web Developer

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Results-driven Full-Stack Web Developer with 5+ years of experience designing, developing, and maintaining scalable web applications across academic, enterprise, and freelance environments. Proficient in PHP-based frameworks (Laravel, CodeIgniter, Livewire) and modern front-end technologies (Vue.js, Alpine.js, Tailwind CSS). Proven ability to deliver secure, user-focused solutions from requirements gathering through deployment, with hands-on expertise in REST API integration, database design, server administration, and workflow automation.

Work Experience

Project Staff – Full-Stack Developer & System Administrator *July 2025 – Present*
University of the Philippines Diliman – College of Science

- Administer and maintain the CS Centralized Portal, CS Resources & Equipment Database, ensuring high availability and uninterrupted service for faculty, staff, and students.
- Conduct regular server health checks, log monitoring, automated backups, and security hardening to maintain system reliability and data integrity.
- Perform routine database maintenance, data cleanup, and analytics reporting for the Dean and Associate Deans.
- Integrated OAuth 2.0-based authentication into the institutional portal, enabling secure and seamless single sign-on across connected systems..
- Developed and automated Google Forms workflows using Google Apps Script, streamlining administrative processes including Change of Grade and Removal Permit submissions.
- Provide first-line technical support for faculty, staff, and students on system access, usage, and issue resolution.

Junior ICT Assistant – Full-Stack Developer *July 2024 – June 2025*
University of the Philippines Diliman – College of Science

- Led backend refactoring initiatives to modernize legacy modules, improve code quality, and align systems with updated PHP security standards.
- Enhanced UI/UX across multiple platforms by streamlining workflows, simplifying form interactions, and implementing user-feedback-driven improvements.
- Upgraded TCPDF and integrated QPDF to eliminate unsigned document errors, strengthening document security and integrity.
- Supported the development, maintenance, and daily operations of the CS Centralized Portal and CS Resources & Equipment Database.
- Assisted in system town hall presentations to promote platform adoption and best practices among stakeholders.

Full-Stack Developer *July 2023 – March 2024*
Aimporo Business Technologies, Inc.

- Designed and developed a digital marketplace platform for entrepreneurs featuring software tools, Excel templates, and online masterclasses.
- Built and maintained web-based productivity tools including financial trackers, invoice generators, and project management applications.
- Implemented and customized GoHighLevel features for CRM, marketing automation, lead management, and client communication workflows.
- Collaborated with stakeholders to translate business requirements into functional, user-friendly system features.
- Conducted testing, debugging, and iterative improvements to ensure performance, reliability, and quality delivery.

Graphic Designer & Technical Support Specialist *January 2021 – December 2021*

Qing Tian Enterprises Corp.

- Designed marketing graphics, social media content, and promotional materials aligned with brand identity and campaign goals.
- Provided comprehensive technical support including hardware diagnostics, software troubleshooting, and system upgrades.

Freelance Web Developer *December 2021 – 2024*

Self-Employed | Portfolio: chrysippus2497.github.io

- Designed and developed client websites end-to-end — managing handover projects and new builds using current technologies and design best practices.
- Implemented responsive design ensuring consistent performance and display across all devices and browsers.
- Worked closely with clients to translate specific needs into effective, user-friendly web solutions.
- Maintained clean, maintainable code with focus on security, performance optimization, and scalability.

Technical Skills

Languages: JavaScript, PHP, HTML5, CSS3, SQL, Google Apps Script

Frameworks & Libraries: Laravel, Livewire, CodeIgniter, Vue.js, Alpine.js, jQuery, Tailwind CSS, Bootstrap, Filament, Ajax

PDF & Document Processing: TCPDF, QPDF, FPDI, Ghostscript, PyMuPDF (Python), Pillow (Python)

Backend & API: REST API development & integration, MVC architecture, SSO/OAuth authentication, CRUD systems, relational database design, XSS/CSRF mitigation, file processing & PDF generation

Server & System Administration: Linux (SSH, package management, web server setup), LAMP, XAMPP, Docker (familiar), Laravel Herd, Homebrew

Version Control & Collaboration: Git, GitHub, GitHub Desktop

Tools & Platforms: PhpStorm, VSCode, Sublime Text, Postman, Jira, Notion, DBeaver

Education

Bachelor of Science in Information Technology (BSIT)

AMA Computer College Caloocan

Core Member — Google Developer Student Clubs (GDSC)

Certifications

Cisco Networking Academy

- Networking Essentials — January 2021
- Introduction to Cybersecurity — September 2021
- Cybersecurity Essentials — September 2021
- Emerging Technologies Workshop: Model Driven Programmability — August 2021
- NDG Linux Essentials — June 2022
- Introduction to Networks — August 2022