

# JUAN CARLOS TAMAYO

## SENIOR PHP / LARAVEL ENGINEER | SOFTWARE ARCHITECT

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*Selected public work is available on GitHub; representative client sites and project walkthroughs are available on request, subject to confidentiality.*

### PROFESSIONAL SUMMARY

Senior PHP/Laravel engineer and software architect with 14+ years delivering production web applications, APIs, integrations, and multi-tenant platforms. Progressed from hands-on web development to architecture and technical leadership, with experience spanning MySQL, automated testing, cloud infrastructure, CI/CD, performance, security, and accessibility.

**SELECTED IMPACT** Laravel syndication platform serving 300+ WordPress sites | 30% lower infrastructure cost | 99.9% uptime

### TECHNICAL SKILLS

**Backend:** PHP 8+, Laravel, Slim, custom MVC, REST/SOAP APIs, Eloquent ORM

**Data & Architecture:** MySQL, schema design, query optimization, multi-tenant platforms, role-based access

**Testing & Delivery:** PHPUnit, Pest, TDD, unit/integration testing, Git, GitHub Actions, CI/CD, code review

**Cloud & Operations:** AWS (EC2, S3, Route 53), Docker, DigitalOcean, Cloudflare, Linux, monitoring, migrations

**Frontend & Platforms:** Vue.js, Vuex/Pinia, JavaScript, HTML5, SCSS, WordPress, WooCommerce, Shopify, AEM

**Leadership & Quality:** architecture, mentoring, production support, performance/security hardening, WCAG/508

**AI-Assisted Engineering:** LLM-assisted development and workflow automation with human review, testing, and validation

### PROFESSIONAL EXPERIENCE

#### DesignStudio Network, Inc. | Software Architect

May 2014 - Present

*Hands-on software architect owning discovery, architecture, implementation, release planning, infrastructure, and production support for national nonprofit and enterprise clients.*

- Earned successive promotions from Web Developer to Senior Developer and Software Architect, expanding responsibility from feature delivery to architecture, technical standards, mentoring, releases, and production operations.
- Built a reusable custom WordPress theme, custom content blocks, and supporting plugins that streamlined production and helped a small team deliver and maintain 300+ sites faster and more consistently.
- Built a Laravel-based content syndication platform distributing real-time updates to 300+ WordPress sites, eliminating manual site-by-site deployments.
- Led the migration of 300+ sites to DigitalOcean and improved Docker/GitHub Actions delivery workflows, reducing infrastructure costs 30% while maintaining 99.9% uptime.
- Developed and maintained several Laravel/PHP websites for the American Red Cross, delivering accessible public-facing experiences within enterprise brand and governance requirements.
- Architected and built MVP.DesignStudio.com, a Laravel marketplace and portfolio platform for freelancers with professional profiles, digital products, role-based access, and project workflows.
- Created WooCommerce integration layers synchronizing ERP/CRM data and live inventory for global brands, eliminating manual catalog reconciliation.
- Improved delivery quality through PHPUnit/Pest testing, code reviews, CI/CD, production monitoring, and mentoring for junior and mid-level developers.

### EARLIER EXPERIENCE

#### Eco Tek Solutions & CSEA 471 | PHP / WordPress Developer

2010 - 2015

- Built and supported custom PHP/MySQL applications, WordPress themes, and plugins for community and member-facing organizations.
- Developed an auction platform with proxy bidding, a community platform, and member websites with ongoing production support.