Jewei Mak

Senior Software Engineer — backend systems, APIs, and payments

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STRENGTHS

Laravel/PHP architecture, API design, and database-backed web applications

Payment integrations, SaaS workflows, admin tooling, and internal platforms

Code quality: automated testing, static analysis, documentation, and developer experience

CI/CD, deployment workflows, observability, and production operations

Cloud and platform work on Cloudflare, AWS, OpenShift, Docker, and Linux

Technical mentoring, code review, engineering standards, and delivery planning

AI-assisted engineering with coding agents such as Claude Code and Codex

TECHNOLOGY

LANGUAGES & FRAMEWORKS
PHP, Laravel, Filament, Livewire, Inertia.js, Vue.js, Alpine.js, React, Tailwind CSS

DATA & MESSAGING
PostgreSQL, MySQL, SQLite, Redis, Elasticsearch, RabbitMQ

TESTING & QUALITY
Pest, PHPUnit, PHPStan

INFRASTRUCTURE
Docker, AWS, Cloudflare, OpenShift

EDUCATION

Electronics Engineering
TARC, Malaysia · 2005

PROFILE

Senior Laravel/PHP engineer with 15+ years building and scaling backend systems, APIs, and payment integrations for products serving 1,000,000+ users across SaaS, edtech, and e-commerce. Sets architecture and code-quality standards, mentors engineers, and works with AI coding agents day to day.

EXPERIENCE

Senior Software Engineer · Oneverse — 2024 – Present

- Developed and maintained a Laravel and PostgreSQL platform serving 1,000,000+ users and 50,000+ monthly transactions
- Integrated 10+ payment providers and 70+ payment channels across Asia, expanding regional checkout coverage
- Built fraud prevention against bot sign-ups and campaign abuse using behavioral signals, rate limits, anomaly detection, and risk scoring
- Co-architected 5 microservices, enabling 10x scalability while improving modularity and reliability
- Set Laravel architecture patterns, code-quality practices, and implementation guidance as the team's subject-matter expert
- Applied agentic AI coding workflows to speed up development, testing, debugging, and refactoring

STACK Laravel, Filament, Livewire, PostgreSQL, Claude Code, Codex

Senior Backend Software Engineer · femmily — 2023 – 2024

- Drove a 3-month-delayed project to an on-time soft launch by standing up AWS production, sharpening delivery focus, and mentoring the team
- Introduced CI/CD and error tracking, moving deploys from weekly to daily and improving incident response
- Refactored and migrated 2 legacy Laravel applications onto a maintainable foundation
- Set coding standards and streamlined Git workflows, including the move from Bitbucket to GitHub

STACK Laravel, MySQL, Livewire, Filament, PHPStan, Pest **TOOLS** GitHub, Forge, Flare, Bagisto, AWS

EXPERIENCE, CONTINUED

Senior Software Engineer · FrogAsia **2018 – 2023**

- Maintained backend APIs for a national learning platform serving 10,000+ Malaysian schools on web and mobile
- Built and supported an online training platform used by 25+ large corporates, including YTL Construction and YTL Hotels
- Delivered features across 7 learning products, including Lesson Planner, Curriculum Designer, and an analytics dashboard
- Turned requirements into end-to-end architecture, technical tasks, and delivery estimates with architects and product owners
- Mentored peers and reviewed merge requests; improved operational visibility with logging, metrics, health checks, Elasticsearch, and data-lake pipelines

STACK PHP, Laravel, React, MySQL, Firebase, RabbitMQ, Red Hat Linux **TOOLS** GitLab CI/CD, OpenShift, Docker, Vault, NiFi, Figma

Principal Software Engineer · ModeFair **2016 – 2018**

- Led backend architecture and API design for an e-commerce app covering campaigns, merchant onboarding, listings, reporting, and audit logs
- Implemented zero-downtime deployment and rollback workflows across staging and production, eliminating release downtime
- Built microservices for image compression, PDF reports, and social media data mining, cutting processing time by 80%
- Established coding standards, design patterns, and backend guidelines across the team

STACK PHP 7, Laravel, Redis, Nginx, Ubuntu, AWS (EC2, S3, RDS), Cloudflare **TOOLS** Deployer, Composer, Git, Let's Encrypt

Application Developer · P\S\L Group **2013 – 2016**

- Developed filtered newsfeed systems from aggregated data for pharmaceutical industry clients
- Built an automated newsletter builder and email tracking for targeted healthcare content
- Deployed micro-social sites with live newsfeeds and newsletter workflows

STACK PHP 5, MySQL, Drupal, CentOS, Apache **TOOLS** Drush, SVN, PHPUnit, PHP_CodeSniffer

Earlier · Stackideas, Slashes and Dots **2009 – 2013**

CERTIFICATIONS

AWS Certified Cloud Practitioner · Amazon Web Services **2026**

AWS Certified AI Practitioner · Amazon Web Services **2026**

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