

Jewei Mak

Senior backend engineer. Laravel specialist. Scale-tested.

Experience	Systems served	Payment providers	Primary stack
15+ years	1M+ users	10+	Laravel · PHP

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.

Core strengths

- Laravel/PHP architecture, API design, and database-backed web applications
- Payment integrations, SaaS workflows, admin tooling, and internal platforms
- Developer experience, code quality, documentation, automated testing, and static analysis
- CI/CD, deployment workflows, observability, and production operations
- Cloud and platform work across Cloudflare, AWS, OpenShift, Docker, and Linux servers
- Technical mentoring, code review, engineering standards, and delivery planning
- Agentic AI-assisted engineering workflows with harness agents

Education

2005
Electronics Engineering
TARC, Malaysia

Technology

Laravel · PHP · Filament · Livewire · Inertia.js · Vue.js · Alpine.js · React · Tailwind CSS · PostgreSQL · MySQL · SQLite · Redis · PHPUnit · Pest · PHPStan · Docker · AWS · Cloudflare · OpenShift · RabbitMQ · Elasticsearch

Experience

Senior Software Engineer

2024 – Present

Oneverse

- Engineered and maintained a Laravel/PostgreSQL platform serving 1,000,000+ users and processing 50,000+ monthly transactions
- Integrated 10+ payment providers and 70+ payment channels across Asia, expanding regional checkout coverage
- Elevated backend engineering standards by defining Laravel architecture patterns, code-quality practices, and implementation guidance as the team Laravel SME
- Co-architected 5 microservices, enabling 10x scalability while improving modularity, reliability, and maintainability
- Applied agentic AI coding workflows to accelerate development, testing, debugging, and refactoring
- Built fraud prevention systems mitigating bot registrations and promotional campaign abuse using behavioral signals, rate limits, anomaly detection, and risk scoring

Stack

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

Senior Backend Software Engineer

2023 – 2024

femmyly

- Refactored and migrated 2 legacy Laravel applications into a more maintainable foundation
- Introduced CI/CD and error tracking, increasing deploy frequency from weekly to daily while improving production visibility and incident response
- Established coding standards and streamlined Git workflows, including the repository migration from Bitbucket to GitHub
- Drove a 3-month-delayed project to an on-time soft launch by standing up the AWS production environment, sharpening delivery focus, and mentoring the team

Stack

Laravel, MySQL, Livewire, Filament, PHPStan, Pest

Tools

GitHub, Forge, Flare, Bagisto, AWS

Senior Software Engineer FrogAsia - Maintained backend APIs for a national learning platform serving 10,000+ Malaysian schools across web and mobile clients - 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 - Partnered with architects and product owners to convert requirements into end-to-end architecture, technical tasks, and delivery estimates - Improved delivery quality by mentoring peer engineers, removing blockers, reviewing merge requests, and strengthening operational visibility through logging, metrics, health monitoring, Elasticsearch, and data lake pipelines	2018 – 2023
Stack PHP, Laravel, React, MySQL, Firebase, RabbitMQ, Red Hat OpenShift Linux Tools GitLab, CI/CD pipelines, OpenShift, Docker, Figma, Vault, NiFi	
Principal Software Engineer ModeFair - Led backend architecture and API design for an e-commerce application covering campaign management, merchant onboarding, product listings, business reporting, and audit logs - Implemented zero-downtime deployment and rollback workflows, eliminating release-related downtime - Managed deployments across staging, production servers, and supporting cloud services - Built supporting microservices for image compression, PDF report generation, and social media data mining, cutting processing time by 80% - Established coding standards, design patterns, and backend guidelines across the team	2016 – 2018
Stack Ubuntu, Nginx, PHP 7, AWS EC2, S3, RDS, Cloudflare, Laravel, Redis Tools Deployer, Composer, Git, SSH, Slack, Let's Encrypt	
Application Developer PISIL Group - Developed dynamic filtered newsfeed systems from aggregated data for pharmaceutical industry clients - Built an automated newsletter builder and email tracking system for targeted healthcare content delivery - Deployed micro-social sites with live newsfeeds and newsletter workflows	2013 – 2016
Stack CentOS, Apache, PHP 5, MySQL, Drupal Tools Drush, G Suite, SVN, PHP_CodeSniffer, PHPUnit	
Software Developer Stackideas - Built product features for EasyBlog, EasyDiscuss, and Komento Joomla CMS extensions - Supported customers through forum and ticket workflows, translating product issues into fixes and improvements	2011 – 2013
Stack Apache, PHP, Joomla, JavaScript, CSS	
Software Engineer Slashes and Dots - Built core product features for the JomSocial Joomla CMS extension - Implemented video uploads and a custom video player with Amazon S3 integration	2009 – 2011
Stack Apache, PHP, Joomla	

Contact

I am open to senior backend roles, consulting, and focused product engineering work.

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