

# TY HUYNH

Senior Software Engineer | Senior Laravel Engineer | PHP/Laravel | System Architecture

Da Nang, Vietnam · Open to remote worldwide (UTC+7)  
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## PROFESSIONAL SUMMARY

Laravel specialist with 8+ years of Laravel and 10+ years of PHP (15+ years in software engineering), building and modernizing production systems across government, SaaS, e-commerce, and HR technology. Delivered the ground-up rebuild of the eTarifare V2 road-tax platform, the Solar Reviews calculator backend, the POD Workspace and CardFly SaaS products, and Laravel Queue/Horizon crawler systems processing millions of records. Strong in REST API design, OAuth 2.0 security, payment and CRM integrations, and MySQL/Redis optimization; led backend teams of 3 to 5 engineers.

## TECHNICAL SKILLS

- **Laravel & PHP:** Laravel (8+ years), PHP (10+ years), Eloquent, RESTful APIs, Blade, Livewire, OOP, SOLID, design patterns
- **Queues & Real-Time:** Laravel Queue, Horizon, parallel workers, throttling, retries, deduplication, WebSockets (Laravel Reverb)
- **Security & Integrations:** OAuth 2.0, Laravel Passport, payment gateways, Shopify, CRM systems, Twilio, MessageBird
- **Data & Architecture:** MySQL, Redis, query optimization, indexing, modular monolith, system design, legacy modernization
- **Testing & DevOps:** PHPUnit, PHPStan, Laravel Pint, code reviews; Git, GitLab CI/CD, Linux, Docker, AWS (EC2, S3, RDS), Ansible
- **Also:** Vue.js, Tailwind CSS, React Native, Python (Django), Java (Spring), EC-CUBE, Agile/Scrum

## PROFESSIONAL EXPERIENCE

### Technical Lead (Laravel)

CloudEBS | Contract · Remote

Jan 2025 – Mar 2026

- Led 3 engineers on eTarifare V2, a ground-up rebuild of a Romanian road-tax control system, turning complex requirements into production-ready Laravel features.
- Reduced average queries per request by ~40% on key endpoints by eliminating N+1 queries and adding Redis caching.
- Restructured multistep workflows into modular components, so new steps or rules can be added in about an hour without touching existing flows.
- Secured road-tax and payment APIs with OAuth 2.0 on Laravel Passport, plus a custom layer that flags suspected token leaks via IP and User-Agent mismatch.
- Enforced code quality with PHPStan in the GitLab CI/CD pipeline; implemented the EuPlatesc payment gateway integration and automated PDF invoice generation.

### Co-Founder & Lead Technical Architect

CardFly | Startup

Jan 2022 – Jun 2023

- Led technical development and architecture of a Laravel SaaS product from concept to

launch, covering backend services, web, and React Native mobile apps.

- Built CI/CD pipelines and automated infrastructure and deployment with Ansible, replacing manual releases and getting hotfixes to production within minutes.

### Senior Software Engineer (Laravel)

Solar Reviews | Contract · Remote

Feb 2020 – Jan 2021

- Built and optimized Laravel API endpoints for solar estimation calculators (MySQL, Vue.js).
- Upgraded legacy applications to PHP 7.4 and Laravel 6.x, refactoring legacy modules without disrupting production.
- Integrated Pipedrive, Monday.com, and other CRM platforms, automating the processing of thousands of leads and cutting lead-routing time to seconds.

### Senior Software Engineer

Paradox Olivia | Da Nang, Vietnam

Apr 2019 – Jan 2020

- Refactored a 5,000+ line legacy function into structured classes using SOLID principles and design patterns, preserving all business logic and cutting bug-fix turnaround by ~50%.
- Designed a Django Model Cache layer that automatically caches single-record lookups, eliminating 1,000+ lines of duplicated code.
- Integrated MessageBird alongside Twilio for SMS delivery, provisioning, and verification across 10+ countries.
- Built reusable foundation modules that standardized patterns across 30+ engineers.

## SELECTED PROJECTS & TECHNICAL CONSULTING

### Independent Software Development & Technical Consulting

Freelance (concurrent with employment)

Jan 2016 - Present

- Managed 12+ independent projects end to end for international and domestic clients, from requirements to deployment and support.
- Designed distributed Laravel queue workflows across multiple VPS instances (parallel workers, deduplication, rate limiting, retries) processing millions of records.
- Built backend features for POD Workspace using Laravel REST APIs, OAuth 2.0 authentication, and a Vue.js frontend; streamlined legacy workflows, cutting processing time by about 50%.
- **E-commerce:** Delivered 7+ EC-CUBE stores (including Book Ascom and Zebra) with custom plugins, payment, and recurring-purchase features; also Shopify customizations.
- **Web Crawling & Data Extraction:** Built a configurable Selenium/XPath framework for Discogs, YouTube, Etsy, Amazon, cutting new-site setup to about 2 hours versus 2 days.

## EARLIER EXPERIENCE

- **Team Leader, Unisoft** (Dec 2018 – Mar 2019)
- **Senior Software Engineer, CGSoft** (Jan 2018 – Nov 2018)
- **Senior Software Engineer, Suzutek VN** (Jul 2016 – Mar 2017)
- **Software Engineer / Team Lead, SDC, Unitech Corp, HTK-INC** (Nov 2011 – Jun 2016)

## EDUCATION & LANGUAGES

### Bachelor of Science in Information Technology

Da Nang University of Technology, Faculty of Information Technology

March 2013

**Languages:** English (Professional working proficiency) · French (starter)