Kyrylo Kovalenko

Senior Backend Developer (PHP, Laravel)
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Summary

Senior Backend Developer with 9+ years of experience building high-load, distributed systems in PHP, primarily with Laravel. Designed and shipped cloud platforms from scratch, evolving monoliths into microservice architectures, and modernized large legacy codebases. Deep expertise in payment systems integration (Stripe, Adyen, PayPal and others), PostgreSQL performance tuning, event-driven architecture (RabbitMQ, gRPC), and containerized infrastructure (Docker, Kubernetes). Comfortable owning backend systems end to end, from architecture and data modeling through to delivery and production support.

Technical Skills

Languages: PHP (5.6-8.4), SQL, TypeScript (Node.js), Bash
Frameworks: Laravel (5-13), Symfony (4-5); Laravel ecosystem: Octane (Swoole), Horizon, Passport, Scout, Telescope, Filament, Vapor, Dusk
Frontend: Vue.js, Nuxt.js
Databases: PostgreSQL (PgBouncer, FDW, materialized views), MySQL, MongoDB, Tarantool, ClickHouse, AWS RDS, Oracle
Caching: Redis, Memcached, AWS DynamoDB
Messaging & APIs: RabbitMQ, Apache Kafka, gRPC, GraphQL, AWS SQS
Realtime: WebSockets (Socket.IO, Workerman, Pusher)
Infrastructure & DevOps: Docker, Kubernetes (k8s), nginx, HAProxy, Traefik, Jenkins, GitLab CI
Cloud: AWS (S3, RDS, SQS, DynamoDB), Google Cloud (GCS), Microsoft Azure, DigitalOcean, Cloudflare, KeyCDN, SendGrid
Practices: OOP, SOLID, DRY, KISS, TDD, DDD, CQRS, Microservice & Event-Driven architecture
Testing & Tools: PHPUnit, Xdebug, PHP Parallel, SonarLint; Git, Composer, npm; Jira, Confluence, Sentry, New Relic, Kibana, Grafana, NetData
AI-Assisted Development: Claude Code, GitHub Copilot

Work Experience

Senior Backend Developer
Autodoc Jul 2024 - Present

- Senior Backend Developer building Laravel-based marketplace integration systems. Project details under NDA.

Senior Backend Developer
Svitla Systems Inc. Jan 2022 - Jul 2024

- Built an enterprise video analytics platform from scratch in a team of 5-6, owning architecture, database design, and core functionality through launch and handover. Deployed on AWS Lambda (serverless).
- Developed an internal risk-management system used across an 800+ employee organization, running on Kubernetes and handling heavy inter-service request volume and very large datasets.
- Refactored large legacy codebases and brought them under test coverage, raising code quality to pass SonarLint quality gates.
- Optimized performance bottlenecks and resolved production issues across services.

Senior Backend Developer
Boosteroid Cloud Gaming Jan 2020 - Jan 2022

- Single-handedly designed and built the backend of a high-load cloud gaming platform from scratch, evolving the architecture from monolith to services to microservices.
- Designed multi-tenant database architecture (PostgreSQL, Redis, MongoDB, Tarantool) powering several products: cloud.boosteroid.com, gameplus.boosteroid.com, starboost, max.playhera.com.
- Integrated 8+ payment providers with recurring subscriptions (Adyen, Stripe, PayPal, NETOPIA SMS payments, Twispay, Selfpay, LiqPay), covering global and regional billing flows.
- Led and coordinated other developers, set tasks, reviewed work, and supported engineers across teams.
- Partnered with DevOps on server architecture, scaling and security for a platform sustaining ~500 API requests/sec on average (monitored via Kibana), with seasonal traffic spikes well above that.
- Authored API documentation and internal wiki (Confluence); wrote feature and unit tests.
- Built a few supporting microservices in Node.js (TypeScript), including WebSocket services and a parallel scraper, alongside the core PHP platform.

Backend Developer
PaymentWall Inc. Jan 2019 - Jan 2020

- Built and maintained microservices for an enterprise payment system (fasterpay.com) and e-commerce platform (terminal3.com).
- Extended and refactored full-stack functionality across frontend (Vue.js), backend, and database layers.
- Scoped and delegated tasks to other specialists in the development process.

Backend Developer
CF.Digital Dec 2017 - Jan 2019

- Built DeltaCMS from scratch, a modular CMS on Laravel, Sentinel and Vue.js (SPA) with MySQL.

Junior PHP Developer
Intraweb.agency Sep 2017 - Dec 2017

- Delivered client projects on Laravel, Vue.js and PostgreSQL (berlitz.us, megamodzplanet.com), including AWS deployment.

Junior PHP Developer
LeoDigital (formerly LeoStudio) Mar 2016 - Sep 2017

- Developed and maintained landing pages, e-commerce sites and ERP systems.

Education & Training

M.Sc., International Economic Relations, National Aviation University (2010 - 2016)

- Transitioned into software engineering via PHP Academy (2016); completed a British Council English course (2017).

Languages

Ukrainian (native) • English (upper-intermediate, B2) • Russian (fluent)