

Milos Ozegovic

Senior Software Engineer

Banja Luka, Bosnia & Herzegovina · Remote · CET — **available for US Eastern/Central hours**

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Contracts via Imaginaroom (registered BiH business) — direct B2B or EOR (Deel). No sponsorship required.

SUMMARY

Backend engineer with **13+ years** building and optimizing data-heavy platforms in PHP and Laravel. Specializes in making analytical workloads fast — migrated a **1.5-billion-row** reporting workload from MySQL to ClickHouse, taking reports that ran up to 30 minutes, or failed outright, down to **2–3 seconds**. Five years in adtech and five in regulated healthcare, across five PHP frameworks. Currently delivering roughly **20% of release output** across a 31-contributor engineering organization while carrying its highest code-review load.

CORE SKILLS

Languages	PHP · Laravel · Yii2 · CakePHP · CodeIgniter · Slim · Symfony · JavaScript · TypeScript · SQL
Data	MySQL · PostgreSQL · ClickHouse · Redis · MongoDB · MSSQL · Snowflake · Elasticsearch · query optimization · partitioning · large-scale migration
Backend	REST API design · OpenAPI/Swagger · microservices · multi-tenancy · queues (Horizon, SQS, RabbitMQ) · PHPUnit · Pest
Infra	AWS · Docker · Linux · ArgoCD · CI/CD · Datadog · Sentry · PostHog
Frontend	Angular · Vue · Livewire · Alpine · Tailwind (TALL) · jQuery · Bootstrap
AI / LLM	OpenAI API · Azure OpenAI · MCP · Claude Code · Codex

EXPERIENCE

Senior Software Engineer

Feb 2026 – Present

The Maker System (FieldFlō) · Remote

B2B SaaS for specialty contractors — demolition, environmental remediation, masonry — serving 30+ clients including NCR.

- Delivered **~20% of release tickets (102 of 524)** and **~20% of code reviews (147 approvals)** across a 31-contributor engineering organization over a two-month measured period — reviewing more pull requests than authored.
- Cut generation time on the heaviest customer revenue reports by **over 50%** through query optimization and caching.
- Contributed to an incremental **CodeIgniter 3** → **Laravel 13** modernization of a live platform: proposed the multi-tenancy approach, migrated modules, and defined code-organization patterns for the new codebase.
- Co-developed an **MCP server** exposing job-costing and scheduling data to LLM clients, letting customers and support staff generate custom operational summaries through Claude or ChatGPT; in pilot with early customers.
- Built an internal **engineering-analytics pipeline** over Jira and GitHub spanning 8 repositories and 1,000+ pull requests, surfacing per-person load, review distribution, WIP concurrency and cycle time.

PHP 8 · CodeIgniter 3 · Laravel 13 · Vue · MySQL · ClickHouse · Redis · AWS · Docker · ArgoCD · Datadog

Senior Full Stack Engineer

Jan 2025 – Jan 2026

Serious Development · Remote

Scheduling platform for a multi-state autism services provider operating across 8 states, serving ~3,000 users including 2,000 field clinicians.

- Worked on a scheduling data model persisting session, travel and break intervals as discrete rows — tens of thousands of appointments weekly — with monthly partitioning to keep it performant as it grew.
- Ran technical interviews for PHP hires — **~15 candidates in two months** across technical assessment, code review and system design — revised the interview format and audited other interviewers' assessments; both resulting hires stayed on.
- Shipped AI-assisted support ticket triage on **Azure OpenAI**, selected over the standard API to satisfy HIPAA requirements, returning structured classifications that reduced miscategorization and downstream admin correction.

PHP · CakePHP · Angular 18 · Azure · Docker · GitLab CI/CD · TypeScript

Senior Full Stack Engineer

Mar 2023 – Nov 2024

2amigOS! Consulting Group · Remote

Revenue-cycle management platform for a medical billing provider serving 1,500+ EMS agencies nationwide.

- Primary developer on a set of operational-metrics reports within the platform's reporting service, one of three engineers owning that surface.
- Optimized PostgreSQL and MySQL queries on reporting paths — chiefly query rewrites with targeted indexing — cutting response times **~25%** (measured via Datadog and load testing) as the user base grew.
- Contributed to an ongoing migration consolidating multiple PostgreSQL databases (hundreds of GB) into **Snowflake**.
- Contributed to consolidating shared data-access logic into a common Slim PHP API service, so schema and business-rule changes were made once rather than across a dozen repositories.

PHP · Yii2 · Slim · Symfony · PostgreSQL · MySQL · MSSQL · Snowflake · Elasticsearch · AWS · AngularJS · Swagger

Senior Software Engineer

HTEC Group · Remote

Nov 2021 – Mar 2023

Patient-facing mobile health application (questionnaire-driven diagnostic intake) for a US healthcare provider.

- Rebuilt the API layer of an application inherited from a previous vendor, contributing to a **~30% reduction in reported defects** measured in Jira across the transition.
- Defined REST API contracts in collaboration with mobile teams — data exposed, response shape, and client-side submission.

REST API design · MongoDB · AWS · Lambda · microservices

Senior Full Stack Developer

Sep 2019 – Nov 2021

Bay42 / Perform[cb] · Banja Luka

Engineering arm of a performance-marketing network operating across CPL, CPS, CPI and pay-per-call acquisition channels.

- **Proposed and delivered the migration of a 1.5-billion-row analytics workload from MySQL to ClickHouse.** Prototyped it and presented benchmarks to make the case, then designed the schema and AWS architecture, ran the migration, and built the Laravel connector and query-translation layer that did not yet exist. Reports that took **up to 30 minutes or failed outright returned in 2–3 seconds**, removing the need for oversized RDS instances and enabling campaign reporting MySQL could not support.
- Wrote reconciliation scripts comparing ClickHouse against MySQL to verify data integrity for months after deployment.
- Built year-over-year company performance reporting used to compare results across trading years.
- **Mentored two interns and several junior developers** through code review, pair programming and onboarding, and led the API workstream for a mobile app, coaching a junior on code organization and architecture. All interns converted to full-time and stayed; two juniors advanced to mid-level.

PHP · Laravel · ClickHouse · MySQL · MongoDB · Redis · RabbitMQ · AWS · Angular · Linux · CI/CD

Full Stack Developer

Mar 2016 – Aug 2019

Profit Mole / Scotchegg.Digital · Banja Luka

- Built the **data ingestion and reporting layers** of ProfitMole, an in-house ad-campaign analytics product integrating the **Google Ads, Bing Ads and Facebook Ads APIs** — absorbing frequent breaking changes and complex auth flows — as one of two developers serving five clients.
- Shipped four hybrid mobile applications, each with a Laravel API built from scratch, including a job- and driver-tracking app for a trucking company.

PHP · Yii2 · Laravel · Angular · jQuery · MySQL · ClickHouse

Junior PHP Developer

Dec 2014 – Mar 2016

M Hasler · Remote

- Built a CMS from scratch for a Swiss lodging provider.
- Maintained client websites, including the CMS powering a German fire brigade's site, improving load times and security.

Web Developer (Internship)

Feb 2013 – Dec 2013

NiaVision · Banja Luka

INDEPENDENT PROJECTS

~30 clients across marketing, US real estate, medtech and local business — sites, CMSs, third-party integrations and internal business applications, including a delivery platform tracking driver jobs, routes and speeds. **Stripe** and **Braintree** payments; **Google Maps** and **Mapbox** geolocation; Redis-backed queues via **Laravel Horizon**.

- **ets.rs.ba** — site and CMS for Elektrotehnička škola "Nikola Tesla" (~900 students). Built the original in 2013, rewrote and redesigned it on Laravel in 2020; in production since.
- **banjalukanima.org** — implemented the design and built the CMS for the Banjaluka International Animated Film Festival, now in its 18th edition; maintained since 2018.
- **eordinacije.ba** — online doctor-appointment booking (2014). **CamtodHomes** — US residential property platform, running since 2015.

Laravel · Yii2 · Livewire · Alpine · Tailwind · Horizon · Sail · Breeze · MySQL · PostgreSQL · AWS

EDUCATION

Computer Science and Informatics

2013 – 2015

Faculty of Electrical Engineering, University of Banja Luka

Technical Diploma, Computer Science

2009 – 2013

Electrotechnical School "Nikola Tesla", Banja Luka

CERTIFICATIONS & ADDITIONAL

Training — HIPAA (2023, 2025) · HIPAA Cyber Security · XSS Prevention · AWS Solutions Architect – Associate (in progress)

Languages — English (fluent, 5+ years working exclusively in English) · Serbian (native)