

JOVAN BRAVO

Senior Backend Software Engineer | PHP/Laravel & Python

Skopje, North Macedonia (Open to Remote / US Time Zones) | jovanbravo03@gmail.com | [LinkedIn](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Full-stack software engineer with 5+ years of experience building and leading development on multi-tenant SaaS platforms in healthcare, apiculture, and electric-industry domains. Deep expertise in PHP/Laravel, Python (Flask/FastAPI), and cloud infrastructure (AWS, Docker, Linux). Proven record of driving major performance gains (up to 80% faster APIs) and leading backend teams through architecture redesigns, SSO implementation, and mentorship.

CORE SKILLS

System Design & Microservices Architecture • Service Layer Architecture • Technical Mentorship & Code Review Leadership • PHP / Laravel / Livewire / NativePHP • Python / FastAPI / Flask / Django • JavaScript (jQuery, Vue) • MySQL / MongoDB / Elasticsearch / Redis • AWS (EC2, S3) / Docker / Kubernetes • Linux Server Administration / NGINX / Supervisor • TDD • CI/CD

PROFESSIONAL EXPERIENCE

Backend Team Lead — Native Teams

Dec 2025 – Present

Skopje, North Macedonia

- Co-led backend development across multiple concurrent projects, driving technical leadership and architecture decisions.
- Directed backend development for a company-wide Single Sign-On (SSO) initiative, coordinating with a second team lead.
- Designed database schemas and backend application architecture from the ground up for new systems.
- Identified critical performance bottlenecks in the existing system and proposed a new, scalable architecture.
- Redesigned the data access layer with a multi-tenant-optimized approach, improving API performance by up to 80% (response times cut from 40+ seconds to 200–300 ms).
- Optimized pagination and query logic to efficiently handle 1,000+ records per page.
- Remained hands-on with development, API optimization, and system refactoring.

Senior Backend Developer — Native Teams

May 2025 – Dec 2025

Skopje, North Macedonia

- Contributed to a multi-role, multi-tenant platform built on a microservices architecture using Laravel and Python services.
- Built a Python microservice to convert document data to and from JSON.
- Designed and implemented a Single Sign-On (SSO) solution across all backend services for unified authentication.
- Implemented immutable tenants and a pure reference-data model, keeping business rules out of the SSO layer.
- Built internal SDKs and reusable components to standardize authentication and communication across microservices.
- Partnered with Frontend, Product, and PM teams to ensure clear communication, realistic planning, and predictable delivery.
- Applied SOLID principles throughout, ensuring components depended on abstractions rather than concrete implementations.
- Delivered server-side optimizations including MySQL replication and query performance improvements.
- Evaluated Laravel Octane and improved local developer environments using MinIO, streamlining developer workflows.
- Mentored backend developers across 3–4 projects, maintaining coding standards and service consistency.
- Presented technical proposals in leadership discussions with Directors and VPs.

Senior PHP / Python Developer — CompliantRX

Feb 2022 – Apr 2025

Coral Springs, FL (Remote)

- Developed a multi-role, multi-tenant healthcare platform using OOP, MVC, and SOLID principles.
- Designed MySQL and MongoDB database schemas, migrations, and models, including query optimization.
- Built RESTful APIs, controllers, and role-based access control middleware (Gates/Policies).
- Implemented a reusable multi-tenancy trait to reduce code duplication across the platform.
- Integrated AWS (S3, EC2), Elasticsearch, and Redis caching; managed Linux servers (NGINX, Supervisor).
- Developed real-time features via WebSockets, background jobs, and email/fax integrations.
- Strengthened security with multi-factor authentication (Google Auth) and API protections (JSON/SOAP).

- Built admin dashboards, deployment schedulers, and system health monitoring tools.
- Improved performance through server tuning and Python microservices (Flask/FastAPI).
- Led infrastructure work including VM setup, server deployment, backups, and reverse-proxy configuration.
- Built Python microservices including a URL shortener and an OCR/LLM-based PDF analyzer.

Lead PHP / Laravel Software Engineer — Golden Bricks

Feb 2021 – Jan 2022

Skopje, North Macedonia

- Launched a new platform for the apiculture industry from concept to delivery.
- Led a development team, organizing workflows and assigning tasks based on individual expertise.
- Maintained effective communication and task tracking to meet deadlines and project objectives.
- Developed a multi-role application for managing bee-team operations.
- Designed the database architecture and reviewed team deliverables for quality assurance.

JavaScript / jQuery Developer — Roars

Sept 2020 – Jan 2021

Chicago, IL (Remote)

- Maintained and improved an existing healthcare-industry web application.
- Implemented new frontend features and reorganized frontend code, including new jQuery DataTables filters.
- Redesigned modal forms with new fields and JavaScript-based validation.
- Deployed changes to production servers via FTP.

PHP Developer — Sinvir

Feb 2020 – Jul 2020

Skopje, North Macedonia

- Designed and developed a website for the electric industry.
- Implemented frontend animations, galleries, and CSS-based load-page effects.
- Added multi-language support (Macedonian and English) and backend data-loading logic.

EDUCATION

PBF, Belgrade University

Belgrade, Serbia — Sept 2013 – Aug 2019

LANGUAGES

English (Fluent) • Serbian (Fluent) • Macedonian (Native)