

Romeo Popescu

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Work Experience

Full-Stack Developer

VanillaWorks, Bucharest, RO

April 2025 – Present

- Designed and Implemented a **Laravel** Queue system to replace failing synchronous operations, eliminating 100% of data export timeouts, supporting a new multi-role moderation workflow for **Venevo**, a crowdlending platform.
- Developed a dynamic front-end for the moderation panel using **Vue.js**, providing real-time updates and an intuitive UI, which led to faster content moderation and fewer user errors.
- Developed key features for the **BlueSkyInsights** MVP, an analytics platform, building and integrating 3 core social media APIs using **Deno** and **Fresh** to deliver a functional prototype from zero to launch within a demanding 8-week sprint.
- Improved **Symfony/PHP** application performance by refactoring critical code sections and optimizing database queries, resulting in a 25% reduction in average API response time for key endpoints.

Projects

Android Launcher with Behavioural Profiling

- Architected and built a custom Android launcher (**Kotlin/Compose**) with a Python (**FastAPI/TensorFlow**) backend to create a real-time behavioral profiling system.
- Designed and implemented an Autoencoder neural network for anomaly detection, engineering the data pipeline and API to achieve 95% accuracy on live test data.

Automated CI/CD Pipeline for a Next.js Application

- Built a full CI/CD pipeline with GitHub Actions to automatically lint, test, and build a full-stack application.
- Wrote unit tests with Jest to validate API endpoints, blocking bad code from being merged.
- Containerized the production application with Docker and automated the push to a container registry.

Symfony Framework Contribution

- Enhanced the Symfony Validator component by authoring a merged pull request, correcting grammar, standardizing technical terminology, and improving UX clarity for all Romanian-speaking developers.

Skills

Languages: PHP, JavaScript/TypeScript, Python, Kotlin, Java

Backend: Laravel, Symfony, Deno, Node.js (Express), FastAPI

Frontend: Vue.js, Fresh, React, Android (Jetpack Compose)

Tools & Databases: Git, Docker, GitHub Actions, SQL, TensorFlow

Education

Bucharest University of Economic Studies

Sept 2022 – July 2025

BSc: Computer Science in English

- Oracle Academy Certified: Java, SQL, and PL/SQL Developer

Voluntary Work

SupAcademy Paddleboard Instructor (June 2024) – Taught stand-up paddleboarding, strengthening teaching and leadership skills.

Transylvania Downhill 2k22 – Safety Marshall (July 2022) – Ensured participant safety, monitoring track and coordinating accident responses.

Interests

Sports - In my free time I practice Brazilian Jiu-jitsu, with a focus on preparing for upcoming competitions.