

# Aleksandar Perovic

PYTHON SOFTWARE ENGINEER

Belgrade, Serbia | EU Citizen | [sasa.perovic20@gmail.com](mailto:sasa.perovic20@gmail.com)

LinkedIn: <https://www.linkedin.com/in/aleksandar-perovic-b3044a247/>

Github: <https://github.com/sasads2811>

## Summary

---

**Software Engineer with 3+ years of experience** building and maintaining scalable, production-grade systems using **Python (Flask, FastAPI, Django)**. Proven track record developing **RESTful and asynchronous APIs**, working with **large-scale distributed systems**, and supporting **ERP/CRM platforms** in a **SaaS and service-oriented architecture** environment. Skilled in **SQL** and **NoSQL** databases (**PostgreSQL, Oracle, MongoDB, Redis**) and experienced with **background processing** using **RabbitMQ and Celery**. Strong Linux background and hands-on experience with **Docker** and **CI/CD** pipelines.

## Professional Experience

---

### Factory Group, Belgrade, Serbia

October 2022 – May 2023

Internship - Python backend developer

- **Soccer Bet & SBBet - ERP Systems (October 2022)**

Developed and maintained backend services using **Flask**, including APIs, third-party integrations, and asynchronous tasks for daily and monthly calculations. Optimized and refactored core logic, achieving a **20% improvement in processing speed**.

### Factory Group, Belgrade, Serbia

May 2023 – Present

Python backend developer

- Architected and maintained **RESTful** and **asynchronous** APIs using **Flask, FastAPI**, and **Django**, enabling responsive and scalable client services.
- Developed backend modules for ERP, CRM, and bespoke applications, handling complex business logic and integrations.
- Leveraged **PostgreSQL, Oracle, Redis**, and **MongoDB** for reliable data storage, caching, and high-throughput queries.
- Ensured high availability and smooth deployments in a **Linux** environment using **Docker** and **CI/CD** pipelines.
- Collaborated with cross-functional teams to deliver secure, performant solutions across finance, logistics, and customer-service domains.

Projects:

#### **FWI by Ivana Korab - E-commerce Platform (June 2023)**

Contributed to frontend development using **Vue.js**, focusing on **UI/UX improvements** and visual redesign. Integrated **payment systems**, which led to a **10% increase in website visits** through enhanced user experience and conversion.

## NRIZ – Environmental Protection Agency of Serbia (September 2023)

Worked on a **government regulatory reporting platform** for environmental data submissions. Built custom **reporting modules** and an **admin interface** using **FastAPI**, enabling administrators to review, edit, and manage submitted data from companies and institutions.

## MIS – Ministry of Finance (CBC Contracts for the EU) (February 2024)

Refactored and debugged a legacy **Flask application** that initially failed to meet client standards. Delivered a fully compliant and optimized solution under tight deadlines, contributing to the **successful deployment of the project**.

## NSWS – Serbian Customs Service (May 2025)

Developed microservices in **FastAPI** as part of a larger customs data management system. Built and deployed services with **Docker**, designed **Oracle databases**, and contributed to integration with the **Oracle Service Bus** for seamless inter-service communication.

## Freelance Projects

- **R22AI – Investment Suggestion Platform (November 2024)**

Built a full-stack investment advisory platform using **Flask (backend)** and **React (frontend)** with a **PostgreSQL** database. Containerized the application with **Docker** and deployed it on a **Linux server**, handling everything from architecture to production deployment.

## Education

---

Singidunum University | Faculty of Tehnical Sciences

2023

Bachelor of Software Engennering

## Skills & Interests

---

Interests: Football, hiking, cars

Languages: Fluent English, native Serbian speaker

Tehnical:

- **Languages & Frameworks:** Python, Flask, FastAPI, Django
- **API Design:** RESTful APIs, Asynchronous APIs (async/await)
- **Databases:** PostgreSQL, Oracle, MySQL, MongoDB, Redis
- **Messaging & Task Queues:** RabbitMQ, Celery