

DOMAGOJ PULJIC

Senior Backend Python Engineer | Available Immediately

dpuljic01@gmail.com · linkedin.com/in/dpuljic · Zurich, Switzerland

Citizenship: Croatian Permit: B — no sponsorship required

Backend Python Engineer with 5+ years of experience building FastAPI and Django systems, working with Docker and PostgreSQL, with proven cost savings and reliability wins. Eliminated \$100k in annual licensing costs through API migration and reduced incident resolution time by 30% with automation.

EXPERIENCE

Freelance Software Engineer

07/2025 – Present

Self-employed · Zurich, Switzerland

- Designed and deployed FastAPI backends with PostgreSQL for client projects
- Integrated multi-provider LLM infrastructure (Gemini, Claude) with cost optimization
- Built AI-driven features including structured data extraction and intelligent matching
- Containerized services with Docker and CI/CD

Python Engineer

11/2023 – 06/2025

Eternity AG · St. Gallen, Switzerland

- Developed and maintained Django-based backend services with complex business logic for energy calculations and simulations
- Enhanced service integration and backend workflows involving AWS S3
- Improved system observability and stability through rigorous root-cause analysis, significantly reducing incident resolution time for production services
- Built internal tooling that reduced incident resolution time by 30%
- Translated customer requirements into technical solutions, ensuring alignment between business goals and system architecture

Software Engineer

08/2021 – 11/2023

INTIS d.o.o · Zagreb, Croatia

- Supported architectural migration from Django monolith to microservices (FastAPI / Flask)
- Containerised services using Docker, improving deployment workflows and release speed by 40%
- Mentored junior developers and conducted code reviews to ensure high standards of code quality and maintainability
- Ensured the stability and maintainability of complex FastAPI services by enforcing clean code standards via uv, Ruff, and comprehensive type-hinting
- Improved database performance and test automation (PostgreSQL, pytest), reducing CI pipeline runtime by 30%

Software Engineer

12/2018 – 07/2021

SeekandHit · Split, Croatia

- Developed APIs for high-traffic advertising and analytics platforms for Kiwi.com travel agency
- Migrated API proxy from Apigee to FastAPI, cutting operational costs by \$100k/year
- Built in-house authentication system and contributed to CI/CD and Dockerization
- Designed and implemented third-party service health monitoring, improving visibility and reducing downtime

Summer Internship – Web Application Developer

07/2018 – 09/2018

Ericsson · Split, Croatia

- Developed a web application for mapping cause code values between 2G and 3G signaling protocols
- Built a parser to extract protocol mappings from XML and store them in MongoDB
- Implemented a REST API using Node.js to expose mapping data to the frontend
- Integrated backend services with a React-based frontend

EDUCATION

M.Sc. in Computer Science and Technics (Education Specialization)

2017 – 2020

University of Split, Faculty of Science · Split, Croatia

B.Sc. in Computer Science and Technics

2013 – 2017

University of Split, Faculty of Science · Split, Croatia

LANGUAGES

English (professional)

German (intermediate)

Croatian (native)

SKILLS

BACKEND ENGINEERING

Python	
FastAPI	
Django	
Flask	
Monolithic Architectures	
REST API Design	
Service Integration	
Authentication (JWT/OAuth)	
Celery	
Microservices Architectures	
API Gateway / Proxies	
System Design	

RELIABILITY & OPERATIONS

Production Debugging	
Incident Investigation	
Automated Testing (pytest)	
CI Pipeline Optimization	
Service Monitoring & Observability	
Performance Optimization	

TOOLS & WORKFLOW

Git	
Jira	
Agile / Scrum	
Code Reviews	
API Documentation	
Versioned API Design	
Postman / API Testing Tools	
Linux Command Line	

CLOUD & INFRASTRUCTURE

Docker & Containerization	
CI/CD (GitHub Actions)	
Environment Configuration	
Cloud Deployments	
AWS (IAM, S3, EC2, Cognito)	
Jenkins	
Kubernetes	

DATA & STORAGE

PostgreSQL	
SQL & Query Optimization	
Data Modeling & Schema Design	
ORM Usage (Django ORM, SQLAlchemy)	
Database Migrations (Alembic)	
Indexing & Performance Tuning	
Redis	
MongoDB	
Firebase	

FRONTEND

Frontend-Backend Integration	
JavaScript	
Next.js	
Vue.js	

Foundation Proficient Advanced Production-level