

Domagoj Puljic

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SUMMARY

Backend Python Engineer with over 5 years of experience designing, developing, and optimizing backend services and microservices using Django, FastAPI, and Flask. Proven ability to enhance integration, improve deployment workflows by 40%, and reduce incident resolution time by 30% through robust monitoring and debugging. Skilled at containerization with Docker, CI/CD pipelines, and performance optimization, with a strong focus on translating complex requirements into efficient technical solutions. Focused on delivering high-impact, scalable system architecture and reliable engineering solutions.

WORK EXPERIENCE

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|-------------------|--|-------------------------|
| 11/2023 – 06/2025 | Python Engineer
Eternity AG | St. Gallen, Switzerland |
| | <ul style="list-style-type: none">Engineered and maintained Django-based backend services, implementing complex business logic for energy calculations and simulations.Orchestrated enhancements in service integration and backend workflows utilizing AWS S3.Accelerated incident resolution time by 30% through the application of centralized log monitoring (Better Stack) and internal tooling for diagnosing and resolving production issues.Translated intricate customer requirements into robust technical solutions, ensuring seamless alignment between strategic business goals and system architecture. | |
| 08/2021 – 11/2023 | Software Engineer
INTIS d.o.o. | Zagreb, Croatia |
| | <ul style="list-style-type: none">Facilitated architectural migration from a monolithic Django architecture to a microservices-based system using FastAPI and Flask.Augmented deployment workflows and release speed by 40% through the containerization of services utilizing Docker.Cultivated high standards of code quality and maintainability by mentoring junior developers and conducting thorough code reviews.Ensured the robust stability and maintainability of complex FastAPI services by enforcing clean code principles through mypy and comprehensive type-hinting.Optimized database performance and test automation (PostgreSQL, pytest), achieving a 30% reduction in CI pipeline runtime. | |
| 12/2018 – 07/2021 | Software Engineer
SeekandHit | Split, Croatia |
| | <ul style="list-style-type: none">Developed Flask-based APIs for a high-traffic advertising platform serving the Kiwi.com client.Spearheaded the user and auth-system migration, transitioning a high-traffic API proxy from Apigee to FastAPI, thereby reducing annual operational costs by CHF 90,000.Contributed to the establishment of CI/CD pipelines and the Dockerization of the platform.Designed and constructed a custom health monitoring dashboard using Flask. This tool periodically pinged third-party services, displayed live status, and issued Slack notifications upon scheduled intervals and status changes, | |

thereby enhancing visibility for Quality Assurance teams and minimizing downtime.

07/2018 – 09/2018	Summer Internship – Web Application Developer Ericsson	Split, Croatia
	• Developed a web application for mapping cause code values between 2G and 3G signaling protocols. • Constructed a parser to efficiently extract protocol mappings from XML and store them in MongoDB. • Implemented a REST API using Node.js to facilitate the exposure of mapping data to the frontend. • Integrated backend services with a React-based frontend application.	

EDUCATION

2017 – 2020	University of Split, Faculty of Science M.Sc., Computer Science and Technics - Education Specialization	Split, Croatia
2013 – 2017	University of Split, Faculty of Science B.Sc., Computer Science and Technics	Split, Croatia

SKILLS

Python	FastAPI
Django	Flask
Monolithic Architectures	REST API Design
Service Integration	Authentication (JWT, OAuth)
Celery (async tasks)	Microservices Architectures
API Gateway / Proxies	System Design
Docker	Containerization
CI/CD Pipelines (GitHub Actions)	Environment Configuration
Cloud Deployments	AWS (VPC, IAM, S3, Cognito)
Kubernetes	Automated Testing (pytest)
Performance Optimization	Production Debugging
Incident Investigation	CI Pipeline Optimization
Service Monitoring and Observability	PostgreSQL
SQL and Query Optimization	Data Modeling and Schema Design
ORM Usage (Django ORM, SQLAlchemy)	Database Migrations (Alembic)
Indexing and Performance Tuning	Redis
MongoDB	Firebase
Git	Jira
Agile/Scrum	Code Reviews
API Documentation	Versioned API Design
Postman	Linux command line
Frontend-Backend Integration	JavaScript
Next.js	Vue.js
Ownership of the full SDLC	Collaboration with product, support, and domain experts

LANGUAGES

English (Fluent)

German (B1)

Croatian (Native)