

Giouxel Kasaika

Junior Backend Software Engineer

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Summary

Junior Backend Software Engineer with strong Python expertise and hands-on experience in **FastAPI, Django, Flask, and RESTful API development**. Skilled in **SQL databases, authentication, testing (pytest/unittest), and CI/CD pipelines**. Solid computer science background and ongoing professional training (Masterschool, [B.Sc.](#)), combining academic depth with practical project experience in backend development. Passionate about building **scalable, secure, and maintainable systems**.

Experience & Projects

AI-Powered FAQ Bot API (Portfolio Project) Jul 2025 - Present
Backend Developer
[GitHub Repo](#)

- Built a multi-tenant FastAPI backend with JWT auth, async PostgreSQL (SQLModel), and Dockerized deployment.
- Implemented document ingestion workflows (AWS S3, PyPDFLoader), including chunking and vector storage with pgvector for semantic retrieval.
- Designed secure, scalable REST endpoints for authentication, organization management, and full document lifecycle operations.
- Prepared the foundation for RAG pipelines, integrating OCR (Tesseract), NLTK, and AI embeddings (OpenAI & Gemini) for LLM-powered responses.

Die Arche Jun 2025 – Present
Full-Stack Developer Meschede, Germany

- Contributing to a hospital-to-home transportation platform with a FastAPI backend (PostgreSQL, SQLAlchemy, JWT, Redis) and a React + TypeScript staff dashboard.
- Implemented core features for MVP: authentication/roles, job planning & assignment, real-time job tracking, vehicle and customer management, and reporting.
- Maintained database migrations using Alembic and a CLI workflow ([migrate.py](#)) for revisioning, upgrades, and rollbacks.
- Supported the Flutter (Dart) employee mobile app and integrated Google Maps for navigation; used React Query and Tailwind CSS on the web dashboard.

Vtextech Jan 2021 - Jan 2022
Backend Developer Thessaloniki, Greece

- Developed a custom WordPress plugin to integrate a courier API, streamlining shipment tracking and reducing manual fulfillment steps by 40%, in line with scalable API development practices.
- Optimized the WordPress CMS frontend by enhancing responsiveness and code structure, leading to a 25% improvement in page load speed and better user experience across devices.
- Collaborated with cross-functional teams to ensure smooth deployment and maintainable code using Git version control and CI-friendly workflows.

Technical Skills

Backend (Python, Django, FastAPI, Flask, Node.js), **Databases** (PostgreSQL, SQLAlchemy / SQLModel, pgvector), **Auth & APIs** (JWT, OAuth2, RESTful APIs, Swagger), **Testing & CI/CD** (pytest, unittest, GitHub Actions), **Frontend (awareness)** (React, TypeScript/JavaScript, HTML/CSS, Tailwind CSS / Bootstrap), **DevOps & Cloud Deployment** (Docker / docker-compose, Alembic, AWS (S3), Vercel, Render), **AI/RAG** (Embeddings (OpenAI, Gemini), RAG patterns, NLTK, Tesseract OCR)

Education

Masterschool Feb 2025 – Present, expected April 2026
Software Engineering

- Acquired hands-on experience in backend software engineering through an immersive program, building scalable RESTful APIs using Python, Flask, FastAPI, and Django, and managing relational data with PostgreSQL and SQLAlchemy.
- Applied core backend principles such as object-oriented programming (OOP), test-driven development (TDD with Pytest), CI/CD (GitHub Actions), and API documentation with Swagger to deliver robust, maintainable applications.
- Built full-stack applications where necessary, leveraging frontend technologies like JavaScript, Node.js, HTML/CSS, and React—providing end-to-end perspective while maintaining a strong backend focus

Aristotle University of Thessaloniki Oct 2017 - Jul 2024
B.Sc. in Computer Science

- Built a strong programming foundation in C, C++, Python, and Java, using them to solve complex problems and develop efficient software.
- Gained hands-on experience with SQL and database management for effective data analysis.
- Applied core principles of software engineering, algorithms, and networks to design scalable systems.

Languages

Greek (Native), **Turkish** (Native), **English** (Full Professional Proficiency), **German** (A2)