Arnaud ADJIMON

Backend Python Developer | DevSecOps

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PROFILE

Backend developer with 3 years of experience in Python, specializing in designing and building REST APIs within microservices architectures (FastAPI, Flask, MongoDB). Experienced in securing CI/CD pipelines and able to contribute across the full project lifecycle, from architecture through to production deployment. I am looking to join an ambitious company in a role combining software design, development, and application security, while ensuring service availability and automating internal processes.

TECHNICAL SKILLS

Languages: Python, Go, SQL

Backend frameworks: FastAPI, Flask, Django

Databases: MongoDB, PostgreSQL, MySQL, MariaDB

DevSecOps & security: GitLab CI/CD, SAST, DAST, Semgrep, Bandit, Trivy, OWASP ZAP, DefectDojo, Open Policy Agent

Cloud & infrastructure: OpenStack, Docker, Linux, DNS, Git, GitLab, GitHub

Practices: REST APIs, microservices architecture, unit and integration testing, code review, UML modeling, requirements specification, AI-assisted development (Claude Code)

Spoken languages: French (native), English (professional working proficiency)

PROFESSIONAL EXPERIENCE

QAVAA INNOVATE — Silver Spring, USA (remote)

Python Instructor (volunteer) | 10/2026 – present

- Designed the teaching materials and delivered a two-month remote Python training programme for a cohort of around thirty beginners and career changers.
- Taught core software development fundamentals: algorithms, data structures, object-oriented programming, and project management.
- Weekly three-hour sessions in French, combining theory with hands-on exercises.

AXETAG SAS

DevSecOps Developer (apprenticeship) | 10/2025 – 09/2026 | Cergy, France

- Designed and developed a sidecar agent in Go that delivers secrets from the Axmaril digital vault to third-party applications, with a caching mechanism ensuring high service availability.
- Developed FastAPI microservices for the Wayhost cloud platform: domain name management (purchase, renewal, DNS zones via OpenStack), virtual and bare-metal server management, and the payment module.
- Automated provisioning: built a script to deploy SSH keys on server creation; improved the reliability of the client billing module.
- Integrated security stages into the team's GitLab CI/CD pipeline (Semgrep, Bandit, Trivy, OWASP ZAP, DefectDojo) and remediated the vulnerabilities reported by the scans.
- Managed pipelines across the development environments and oversaw deployments to pre-production.
- Wrote integration tests, carried out code reviews, and optimized existing services.

Backend Python Developer (apprenticeship) | 01/2025 – 09/2025 | Cergy, France

- Designed and implemented a secure digital vault sharing system within the Axmaril cybersecurity software, from writing the requirements specification through to the production release.
- Corrective and evolutionary maintenance: bug fixing and delivery of product updates.

Backend Python Developer (freelance) | 10/2023 – 09/2024 | Cotonou, Benin — remote

- Developed API features in Flask/MongoDB for Axmaril (cybersecurity software) and Altara, the cloud platform since renamed Wayhost.
- Application maintenance, bug fixing and regular delivery of updates.

DAC ADVICE — Lomé, Togo

Full Stack Developer (freelance) | 02/2024 – 04/2024

- Designed the backend architecture, produced the UML models and set up the MongoDB database of a multichannel e-commerce system (Telegram bot and web application).
- Developed a FastAPI REST API centralising the business logic: product catalogue and shopping cart management (add, remove, view).
- Integrated the API with the Telegram bot and the Angular web interface.

EXIOLA — Lomé, Togo

Software Engineering Intern | 06/2023 – 09/2023

- Designed the system architecture and UML models of a legal assistance chatbot for a law firm, deployed on Telegram and WhatsApp.
- Developed a FastAPI/MongoDB REST API indexing legal documents for use by the chatbot through OpenAI.
- Implemented the chatbot with Botpress and built an Angular administration platform: training document upload and bulk messaging to clients.

INSIGHT — Lomé, Togo

Software Development Intern | 06/2022 – 07/2022

- Developed a web-based clinic management application built around two modules: medical procedure billing and laboratory test tracking.
- Django/PostgreSQL application with a Bootstrap interface and asynchronous AJAX interactions.

PROJECTS

Order management system | 08/2026

- Order placement and tracking application designed, developed and deployed for an independent client. FastAPI, MongoDB, React Native.

EDUCATION

Master's Degree in Web and Mobile Development - e-Industries programme (Mastère, RNCP Level 7)
ÉSTIAM Metz Campus, Metz, France | 2024 – 2026

Bachelor's Degree in Software Engineering and Information Systems (Licence Professionnelle)
Institut Africain d'Informatique, Lomé, Togo | 2020 – 2023