

AMINE OUICHOU

📍 Saint-Ouen, France | ☎ +33 6 07 76 21 23 | 📩 a.ouichou@gmail.com



[\[LinkedIn\]](#)



[\[GitHub\]](#)



[\[Portfolio\(WIP\)\]](#)

PROFESSIONAL SUMMARY

Backend Developer and DevOps Engineer with hands-on experience architecting and building secure, scalable applications notably in the healthcare technology environment. Proficient in Python (FastAPI & Django), designing REST APIs, microservices architecture, and implementing Zero-Trust security principles with Istio and Keycloak. Adept at containerizing applications with Docker and embedding observability with OpenTelemetry. Seeking to leverage full-stack capabilities in a Backend or DevOps focused role.

EDUCATION

42 Paris

Expert in IT Architecture Master's degree | 2022 - present

TECHNICAL SKILLS

- **Backend Development:** Python, Django, FastAPI, REST APIs, PostgreSQL, Domain-Driven Design (DDD)
- **DevOps & Cloud:** Docker, Docker Compose, Kubernetes, Istio (Service Mesh), GitHub Actions, Azure AKS
- **Security & Identity:** Zero-Trust Architecture (ZTA), Keycloak (OIDC, JWT, RBAC), mTLS, Istio Authorization Policies, 2FA.
- **Monitoring & Observability:** OpenTelemetry, Prometheus/Grafana, Structured Logging, PostgreSQL
- **Frontend & Full-Stack:** Next.js, React, JavaScript, ECharts
- **Tools & Methodologies:** Git, Jira, Postman, DBeaver, Shell, C, C++, Agile/Scrum

PROFESSIONAL EXPERIENCE

Full-Stack Developer Intern | Qynapse | [05/2025] - [11/2025]

- Architected FastAPI backend for healthcare platform using Domain-Driven Design and Zero-Trust security
- Developed full-stack features with Next.js and ECharts for data visualization.
- Implemented production-grade **audit logging** and **OpenTelemetry observability**.
- Authored comprehensive technical documentation on architecture and security, establishing team best practices
- Engineered reusable Keycloak library adopted company-wide for flagship application
- Built healthcare analytics modules processing FHIR data and medical imaging results, implementing brain atrophy analysis.
- Developed interactive data visualizations using Next.js and ECharts, creating clinical dashboards for brain atrophy analysis and patient cohort tracking

NOTABLE PROJECTS

42 Paris | Developer Student

- **ft_transcendence**: a real-time Pong-inspired web application using Django and React.
- **ft irc**: an RFC-compliant IRC server in C++
- **minishell**: a custom shell in C with process management and signal handling.

Personal Project | Cloud-Native Portfolio (WIP)

- Full-stack deployment with Next.js and Django.
- Automated CI/CD pipelines using GitHub Actions.