

Alessandro Feri

Software Developer | Backend Systems

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SUMMARY

Backend-focused developer with 4+ years of professional software development experience across healthcare APIs, automation, production infrastructure, and mobile applications. Modernize legacy PHP systems and operate Docker Swarm services at Cup24.it. Broader experience spans full-stack delivery, applied AI, and Rust systems projects. Based in Florence, Italy; EU citizen, open to relocation within Europe.

SKILLS

Professional backend: Python, PHP, Laravel, REST APIs, Node.js, NestJS, MySQL

Production infrastructure: Docker, Docker Swarm, Linux, Nginx, Ansible, Redis, RabbitMQ, Elasticsearch, MongoDB

Professional web/mobile: JavaScript, TypeScript, Angular, Dart, Flutter, AWS Lambda, Firebase

Personal projects: Rust, React, Next.js, PostgreSQL

Academic: Java, C, SQL, Algorithms, Data Structures

EXPERIENCE

Backend Developer - Cup24.it

Apr 2024 - Present

- Modernize a healthcare-booking platform's legacy PHP codebase and build REST APIs for B2B booking integrations.
- Manage production architecture and Docker Swarm services, improving reliability and performance.
- Built an automated pipeline processing ~20,000 tickets/month, reducing manual back-office work by ~20%.
- Developed service-search recommendations, a customer chatbot, an AI phone assistant, and internal RAG tools using Elasticsearch and Pinecone.

Freelance Developer - Self-employed

Dec 2022 - Dec 2024

- Sole developer for Furider: delivered Angular web platforms, MySQL data models, and a Dart/Flutter rider app; rebuilt real-time order assignment with AWS Lambda.
- Extended Furider's rider app with suggested delivery routes and photo/signature proof of delivery.
- Delivered a Flutter/Firebase app for a terrarium retailer: product catalogue, care tutorials, and a lux meter.

Mobile Developer - Albalog srl

Oct 2021 - Aug 2023

Built and shipped three corporate Dart/Flutter apps: warehouse management, lead/client management, and network scanning to discover printers and retrieve device information.

PROJECTS

- **Ostrich Connect** - Personal systems project: Rust file-transfer backend with protocol adapters for FTP/SFTP/FTPS, encrypted credentials, and terminal/native clients. (FTP/SFTP/FTPS, Ratatui, Rust, Swift)
- **Lemmon** - Personal web app: TypeScript/Next.js and Convex flashcards with authentication, equation editing, and offline reviews that synchronize on reconnection. (Next.js, React, TypeScript, Vercel)
- **Task Gamification** - Academic Java project: designed a gamified task manager for a Software Design course; grade 28/30. (Gamification, Java, Software Design)

To see other projects I've worked on, take a look at my [portfolio](#).

EDUCATION

BSc in Computer Science (in progress) - University of Florence

Sep 2021 - Present

Expected graduation: early 2027. Coursework: algorithms, data structures, databases, operating systems, networking, and software engineering.

LANGUAGES

Italian - Native · English - Professional