

Fabio Barbieri

EMAIL: fabiobarbieri.dev@gmail.com | TEL: +393894831579 |

LINKEDIN: [fabio-barbieri-1](#) | GITHUB: [github@Gardusio](#) | SITE: [gardusio.github.io](#)

Based in: Rome, IT

PROFILE

I am a software engineer with strong foundations in object-oriented programming, machine learning, distributed systems, databases and networking. I had to interrupt my academic journey during the COVID-19 pandemic, but this allowed me to gain valuable industry experience. I am now completing a master's degree in AI and Data Analytics, with the goal of helping shape the future through cutting-edge technology. Outside of work, I have a keen interest in sports, history, and outdoor activities, which keep me grounded and inspired. People usually say I'm easy to get along with.

INTERNSHIPS AND WORK EXPERIENCE

• **Web Developer - Freelance, Feb 2022 - Mar 2024**

I helped small regional businesses with web applications and integrations, which funded my Master's studies.

Main technologies: Java, SpringBoot, JavaScript, ExpressJS, React, Python, AppScript, Google APIs, and Firebase.

- Saved an average of 6k/year thanks to my code by cutting dependencies on third-party SaaS

• **Software engineer - Ro Technology & Sky IT, Sep 2021 - Sep 2022**

Backend consultant at Sky IT. Developed microservices both from scratch and by refactoring legacy monoliths using Java, Spring Boot, PostgreSQL, MongoDB, Docker, Jenkins, and AWS cloud services.

- Achieved a 20% reduction in response time on refactored microservices (measured with AWS CloudWatch)

• **Software engineer - Daje! Shop Startup, Aug 2020 - Aug 2021**

I built a platform to manage the order lifecycle for customers, merchants, and admins by integrating Shopify with custom mobile apps and third-party ticketing systems.

- Shortened the agreed time-to-market of related services by 25%: delivered in 3 months instead of 4
- Reduced the time spent on ticket resolution by the Operations team by 75% - 1.5h/day instead of 5h/day
- Increased the average number of daily fulfilled orders by merchants by 40%

EDUCATION AND CERTIFICATIONS

• **AI and Data Analytics Master Degree - Polytechnic University of Turin, 2022 - Enrolled**

- Thesis (ongoing): Personal coach based on generative AI (LLM fitness and wellbeing recommendation system)
- Extracting features from medical images (Python, PyTorch, Self-Supervised Learning, Representation Learning)
- Activation shaping for domain adaptation (Python, PyTorch, CNNs domain adaptation)
- Fingerprint spoofing (Python, Implementing shallow models from scratch: PCA, LDA, QDA, LogReg, SVMs, GMMs)

• **Computer Engineering Bachelor Degree - Roma Tre University, 2017 - 2022**

- Thesis, graded **107 / 110**: Proximity e-commerce marketplace (Java, SpringBoot, PostgreSQL, MongoDB, Docker, React)
- Sharkbox crossfit-box management app (Javascript, React, ExpressJS, Jest, SQLite)
- A small Wordpress (Javascript, React, ExpressJS, Jest, SQLite)

• **English IELTS C1 Certification: 22IT009057BARF010A**

SKILLS

- Object-oriented programming, machine learning, distributed systems, databases, networking, Linux, Git
- Java, Python, Javascript, C, Rust, SQL
- Spring Boot, ExpressJS, React, PyTorch, Spark, Hadoop, MongoDB, PostgreSQL, MySQL
- Docker, Kubernetes, Jenkins, AWS (S3, EC2, RDS, CloudWatch, Lambda)
- Italian native speaker