

Gabriele Berti

Junior Software Engineer · Backend and Data · Real-time systems

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Curricular internship · available for travel, relocation and remote work



Profile

Final-year Computer Engineering student at the University of Florence. Born and raised on Elba, I moved to Florence to study and I now live in Rio. I am looking for a curricular internship in computing.

I am straightforward and very attentive to detail. I do not stick to one field: before I work for a company I study its history and its sector, and I try to learn the niche properly instead of going in blind. I also use AI tools for market research and to understand the business. University is the base; I widen it on the job. I put myself in the shoes of the employer and of the people I work with. Not only code: I also work hands-on with hardware and live systems.

Skills

Approach. Domain study, attention to detail, end-to-end ownership, problem solving

Languages. Python, Java, C++, SQL, TypeScript

Backend and infrastructure. REST API, MongoDB, Linux, Nginx, systemd, Git, multi-threading, backup and disaster recovery

Frontend and data. React/TypeScript, web scraping, data pipeline, statistical analysis, anomaly detection, OSINT

Networks and hardware. FWA network assembly and cabling; desktop, laptop and smartphone support

Tools. AI-assisted development, MCP, skills, agents, workflow automation

Work experience

Founder & Software Engineer

2025 – discontinued

Odds Shield · oddshield.com

- B2B SaaS platform for sports integrity: real-time odds monitoring and anomalous-pattern detection for betting operators. Monitored 8 bookmakers (Asian and international) across 1,000+ competitions, with alerts generated in under a second.
- Designed and built the full system: multi-thread scraper (Python), API (Java), alert engine (Python), dashboard (TypeScript/React), MongoDB replica set.
- Self-managed Linux/Hetzner infrastructure (Nginx, Supervisor, systemd), automated backups and disaster-recovery procedure (restic).
- Also handled go-to-market and customer relationships.

Secretary

2019 – 2024

Cecilia Amadori dental practice

- Appointment scheduling, contact with the public, payments and front-office work.

Apprentice technician, FWA networks

May – June 2019

TCE Telecomunicazioni S.r.l.

- On-site assembly and cabling of FWA internet networks, on live systems and links.

Research

Data Collection and Suspicious Pattern Detection in Asian Betting Markets

2025

University of Florence, Computer Science Lab · supervisor Prof. Pietro Pala

- Dual-factor statistical method (percentage-change threshold + linear regression, R^2) for anomaly detection in unregulated markets.
- Validation with domain experts: 421 high-priority alerts, 37 confirmed cases (8.8%), in line with fraud-detection benchmarks.

Education

BSc Computer Engineering (L-8)

expected January 2027

University of Florence · Applied technical track

- Main courses: Algorithms and Data Structures, Computer Architecture and Operating Systems, Databases and Software Engineering, Internet Architectures and Applications, Statistics, Operations Research.

Certifications. Advanced Course in Programming, Python Programming MOOC, University of Helsinki (2025). Introduction to Programming, Python Programming MOOC, University of Helsinki (2024). English B2 (CEFR), University of Florence (2026).

Additional information

Languages. Italian native · English B2 (CEFR)

Driving licence. B. Available for travel and relocation, including remote work.

Interests. History of Elba, geopolitics (tech and socio-economic), hiking and trails.

I authorise the processing of my personal data under Regulation (EU) 2016/679 (GDPR) and Italian Legislative Decree 101/2018.