

Guilherme Azeredo

Junior Backend Developer · C#/.NET · Python

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SUMMARY

Computer Systems Engineering graduate (IPCA, 2026). Five-month internship building an observability platform (Serilog, Elastic Stack, Docker) for a .NET application. I build tested backend services in Python (FastAPI, PostgreSQL) and Node.js — most recently a goalkeeper scouting platform with automated tests and a public demo. Open to hybrid or on-site roles in Porto and Braga.

EXPERIENCE

Software Developer Intern — Ediprinter, Vila do Conde Feb 2025 — Jun 2025

- Integrated Serilog into EDIGCIA (ASP.NET MVC and .NET Core microservices): structured JSON logs enriched with client, service, environment and correlation ID, plus a global exception-handling middleware.
- Set up the Elastic Stack with Docker Compose — Elasticsearch, Kibana, APM Server, Fleet Server, Filebeat and Heartbeat — with persistent volumes and a single start-up command.
- Built Kibana data views, dashboards and alert rules (exceptions, failed logins, warnings and errors), and separate roles and spaces for administrators, technicians and clients.
- Defined an ILM policy (hot, warm, cold) for log retention and explored Elastic APM. The platform was validated in a local environment, monitoring the company's internal logs.

PROJECTS

Goalkeeper Scouting Python, FastAPI, PostgreSQL, SQLAlchemy, Alembic, pandas, React

A full-stack scouting platform for goalkeepers, built from raw match-event data. Every keeper is compared only with peers from the same competition and season, and the sample size is always shown next to the number.
Automated tests: 288 passed, 1 skipped · [demo](#) · [code](#) · [details](#)

Claim-to-Evidence Scouting Python, pydantic, pandera, pandas, Hypothesis, pytest, mypy

A scouting report makes claims — "creates a lot of chances", "doesn't track runners". This project tests each one against league data and my own video coding, using rules written down before the data is collected.
Automated tests: 97 passed · [code](#) · [details](#)

Reparte TypeScript, React, Vite, Tailwind CSS, Vitest, PWA

A personal budgeting app: enter what you earned this month and it tells you how much to set aside for bills, savings, investment, leisure, activities and unexpected costs. Works offline; the data never leaves the device.
Automated tests: 68 passed · [demo](#) · [details](#)

Ticket sales API Node.js, node:http, node:sqlite, SQL, node:test

An events, seats and orders API. One endpoint lists an event's free seats; the other reserves a specific seat — and two requests for the same seat can never both succeed, even across separate server processes.
Automated tests: 8 passed · [code](#) · [details](#)

EDUCATION

BSc in Computer Systems Engineering (Engenharia de Sistemas Informáticos) Completed 2026
Instituto Politécnico do Cávado e do Ave (IPCA), Barcelos, Portugal

Cybersecurity Governance Essentials (RUN-EU) — TUS, Athlone (Ireland) Jun 2026
NIS2, DORA, CRA; NIST CSF and MITRE ATT&CK.

Entrepreneurship Programme (RUN-EU) — NHL Stenden, Leeuwarden (Netherlands) Mar 2026
Idea validation and investor pitching in an international team.

SKILLS AND LANGUAGES

Programming	C#, Python, TypeScript, JavaScript, SQL, Kotlin, C
Backend	.NET 8, ASP.NET, FastAPI, Node.js / Express, REST APIs, SQLAlchemy, Knex
Databases	PostgreSQL, MySQL, SQLite, migrations (Alembic, Knex)
Observability & DevOps	Elasticsearch, Kibana, Filebeat, Heartbeat, Elastic APM, Serilog, Docker, Docker Compose, Git, GitHub Actions
Testing	pytest, Hypothesis, Vitest, Jest, Supertest, node:test
Frontend	React, TypeScript, Vite, Tailwind CSS, Angular (project level)
Data & football	pandas, KNIME, StatsBomb Open Data, video coding, per-90 metrics, peer-group percentiles
Languages	Portuguese (native), English (C1), Spanish (B2)

OTHER WORK

Security Officer — Protecção Total (private security). Full-time shift work alongside the degree and internship; a role that depends on punctuality, reliability and working as part of a team. 2023 — present

Steward, receptionist and retail assistant — Various, including Lidl. Part-time roles while studying. 2022