

Pedro Gabriel Furtado Flores

Software engineer · Java and AI · Squad Lead

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remote · English B2

Summary

Backend developer in Java since 2021, building AI tools since 2025. At Ford I built a codebase assistant used by more than 50 people and was promoted to Squad Lead in 2026. Today I split my time between leading a squad of 5 and building the tools it uses. I also build complete products for clients on my own.

Experience

Squad Lead · CI&T, working for Ford

Feb 2026 – now

- Promoted to Squad Lead six months after joining CI&T
- Lead 5 people supporting 12 sales applications in Java, used in 8 countries
- Split my time between leading the team and building the tools it uses
- Built the Support Portal and the Support Manager; 388% more tickets resolved since I took over
- Prioritize the backlog with product owners, engineering managers, architects and dealers

AI Platform & Backend Engineer · CI&T, working for Ford

Aug 2025 – Feb 2026

- Built the internal codebase assistant alone, from architecture to launch
- Java and Spring Boot microservices, Kafka and Pub/Sub pipelines, Docker, Cloud Run, OpenShift
- Level 3 support for production issues

Freelance developer · Independent

2024 – now

- Four client products, built alone and live today

Software Engineer · Wipro, working for Bradesco

2023 – 2024

- Worked on moving the BIA assistant from predictive to generative AI
- Features in the Core API; REST APIs with Spring Security and JWT; TDD with JUnit and Mockito

Backend Java Engineer · Idealogic Software

2021 – 2023

- Built the backend of Ésses, a CRM for the solar energy sector, and made its technical decisions
- Maintained IdeaGestão, a modular ERP
- Spring Boot, JPA, PostgreSQL and MongoDB, Swagger

Before software

2013 – 2021

- Production planning, Metalúrgica Mor (2019 – 2021)
- Led UNISC's team in a national aircraft-design competition (2017 – 2018)
- Robotics teacher (Arduino), UNISC (2016)
- Computer repair technician, IDB Informática (2013 – 2015)

Skills

AI: LLM integration, RAG, MCP tools, agents, LangChain, pgvector

Backend: Java 21, Spring Boot, Spring Security, Python, Kafka, Pub/Sub, JUnit, Mockito

Frontend: Next.js, React, TypeScript

Data: PostgreSQL, MongoDB, Cloudflare R2

Cloud & delivery: GCP, Cloud Run, Docker, OpenShift, GitHub Actions, Tekton, Vercel, Railway

Leadership: A team of 5, backlog prioritization, working with product owners, managers and dealers

Languages: Portuguese (native), English (B2)

Education

Systems Analysis and Development (in progress, expected 2027/2)

Production Engineering (UNISC)