

# Lorenzo André Nofre Pasquali

Fullstack developer focused on applying AI across the software development lifecycle, working in Java/Spring Boot and Angular/TypeScript on a manufacturing execution system (MES) with more than 20 years of production code. I care about business rules and the product, learning the process of the people who use the system before building features.

## EXPERIENCE

### Fullstack Web Developer – Codi Sistemas de Gestão da Produção

04/2025 – Present

- Build features end to end, from the business rules and technical analysis to the API in Java/Spring Boot and the screen in Angular/TypeScript.
- Maintain and evolve a codebase over 20 years in production and its microservices in Docker, fixing performance problems at the source.
- Integrated the MES with LLMs (GPT, Claude and Gemini) over MCP using the official SDKs and tool calling: the model reads data only through tools that reuse the system's business rules and each user's permissions, with no direct database access, so its answers stay consistent with the system's own reports.
- Maintain the integrations with customer ERP, WMS and APS systems, and the Jenkins build and continuous deployment.

### Technical Support & Automation Supervisor – Codi Sistemas de Gestão da Produção

06/2024 – 04/2025

- Led the technical support team: priorities, support metrics, technical feedback and onboarding new members.
- Wrote automations that cut diagnosis and response time, and took the recurring bottlenecks to engineering.
- Maintained Apache Tomcat and Kong Gateway, ran Linux server migrations, and controlled the versioning of customer updates.
- Named Outstanding Employee of 2024.

### Technical Support & Infrastructure Analyst – Codi Sistemas de Gestão da Produção

11/2023 – 06/2024

- Installed the system at manufacturing customers in Docker on Linux, and supported PostgreSQL, SQL Server and Oracle databases.
- Read logs, network traffic and resource usage to find the cause of slowdowns, supporting factories with the line stopped.

### Frontend Developer & Technical Support – Travel Trade

05/2022 – 11/2023

- Built and maintained the company website with Node.js, TypeScript, JavaScript and Tailwind CSS, looking after stability and performance.
- Supported customers with technical questions about the company's systems.

## EDUCATION

### Systems Analysis and Development (associate degree)

UniFtec Centro Universitário · 03/2023 – In progress

### Systems Analysis and Development

Universidade de Caxias do Sul — 2 semesters · 03/2022 – 12/2022

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Caxias do Sul, Brazil · open to remote or relocation

## TECHNICAL SKILLS

### Backend

Java, Spring Boot, Spring Security, Node.js, REST APIs, microservices, JWT and OAuth2

### Frontend

Angular, React, TypeScript, JavaScript (ES6+), Tailwind CSS, Three.js / WebGL

### Databases

PostgreSQL, Oracle, SQL Server, SQLite, relational modeling, query optimization

### DevOps and infrastructure

Docker and Docker Compose, Linux, Jenkins, GitHub Actions, nginx, Apache Tomcat, Kong Gateway, Git (GitHub and GitLab), Bash

### Applied AI

MCP, tool calling, AI agents

### Methods

Scrum, Agile, Jira

## LANGUAGES

Portuguese: native

English: advanced

Spanish: intermediate

