

# Gabriel Mancin Pinheiro

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## Professional Summary

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Full-Stack Software Engineer with a strong focus on the Front-end ecosystem (React, Next.js, TypeScript) and solid experience in the financial sector (Santander, PwC). Specialist in architecting scalable web platforms from scratch to cloud deployment, including SaaS, E-commerce, and enterprise dashboards. I combine the discipline of engineering secure, high-performance microservices with delivering rich, intuitive interfaces designed for conversion and optimal end-user experience.

## Technical Skills

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- **Front-end:** React, Next.js (App Router), TypeScript, JavaScript, Tailwind CSS, React Native, Angular.
- **Back-end:** Node.js, Java (Spring Boot), Python, C#.
- **Architecture & Infra:** Microservices, Distributed Systems, Docker, Kubernetes, AWS/Cloud, RESTful APIs, Webhooks.
- **Databases:** PostgreSQL, MongoDB, SQL, Prisma ORM, Supabase.

## Education & Languages

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**Bachelor of Information Systems** | Languages: Portuguese (Native), English (Advanced), Spanish (Intermediate).

## Experience

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### F1st Digital Services (Santander Group)

**Full-Stack Developer** | 06/2024 to 03/2026

- **Transaction Shielding:** Developed critical microservices for bank fraud detection and prevention, ensuring the financial integrity of thousands of daily transactions.
- **Performance & Scalability:** Optimized RESTful APIs using Java and Spring Boot to handle high-volume requests, focusing on low latency to maintain a seamless end-user experience.
- **Modernization:** Architected cloud-native solutions, applying SOLID principles and Clean Code practices to facilitate continuous product evolution and maintenance.
- **Operational Efficiency:** Redesigned internal full-stack portals (Node.js, TypeScript, React), automating manual processes and reducing response times for operational teams.
- **Data Engineering:** Strategically migrated data pipelines (ETL) from an on-premise environment (Denodo) to a Cloud Lakehouse architecture, boosting data availability and reliability for analytics.

### Stefanini Group

**Software Development Intern** | 01/2024 to 06/2024

- **AI Innovation:** Implemented features based on Large Language Models (LLMs) for corporate decision support, integrating Python, Node.js, and React to create intuitive interfaces for AI interaction.
- **Automation:** Developed a customized ERP system that integrated multiple departments, drastically reducing reliance on decentralized spreadsheets.

### **Automation Specialist II | 11/2022 to 12/2023**

- **Automation & Efficiency:** Developed Python automation scripts for audit processes, significantly reducing time spent on manual tasks and mitigating human error when handling sensitive data.
- **Tool Modernization:** Created modern, responsive interfaces (Dashboards and Portals) for internal use, migrating legacy processes to robust Web applications using Angular, React, TypeScript, and PostgreSQL, facilitating KPI visualization for managers.

## Projects Portfolio

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### **AI-Integrated CRM (SaaS)**

*Collaborative customer relationship management platform focused on AI-driven sales optimization.*

- **AI Innovation (LLMs):** Integrated Large Language Models directly into the CRM workflow to provide advanced support for sales decision-making and automated generation of customer service scripts.
- **Collaborative Full-Stack Development:** Co-developed the system's end-to-end architecture within a team, ensuring the delivery of a scalable solution applicable to real-world business scenarios.
- **Front-end & UX:** Built modern, responsive, and interactive dashboards using React, TypeScript, and Tailwind CSS, prioritizing end-user usability and high performance.
- **Back-end & Integrations:** Structured robust APIs (Node.js) for real-time data processing and secure communication with external AI services.

### **PurpleTech Store (E-commerce)**

*Architected and developed a complete e-commerce platform from scratch using Next.js (App Router), TypeScript, Tailwind CSS, and Node.js, ensuring high performance and SEO optimization.*

- **Payment Integration & Security:** Implemented a payment gateway (Asaas) for real transactions (PIX, Credit Card, and Bank Slips). Created secure Webhooks with token validation for asynchronous order status synchronization.
- **Data Modeling & Auth:** Structured a relational database (PostgreSQL via Supabase) managed by Prisma ORM. Implemented robust authentication via NextAuth (Google Provider) featuring Role-Based Access Control (RBAC).
- **Administrative Dashboard:** Built an exclusive management control panel for inventory tracking, catalog updates, and real-time revenue calculation.

### **Fast-Food Totem SaaS**

*Development of a Multi-tenant SaaS platform for self-service (totems), allowing franchise networks to scale their operations digitally.*

- **Technical Highlight:** Implemented hybrid rendering (SSR/CSR) with Next.js for instant touch performance.
- **Business Impact:** Complex integration with Stripe for payment splitting and management of dynamic menus via custom slugs, simulating a high-concurrency environment.