JOÃO CORTABITART — Full Stack Developer

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PROFILE

Full stack developer focused on business impact, process automation, and scalable APIs. Experience in system modernization, drastic reduction of operational time, and clean architecture.

PROFESSIONAL EXPERIENCE

Spray Solutions — Full Stack Developer

Jan 2025 – Mar 2025 | Hybrid

- Automated the contract generation process by integrating user data with Excel spreadsheets, completely eliminating manual input and reducing execution time from ~10 minutes to ~1 second.
- Refactored and optimized user interface components, improving code maintainability and overall user experience.
- Stack: Python, Flutter, Firebase, FlutterFlow.

UFSM – NERSEC — Backend Developer

Oct 2025 – Dec 2025 | On-site

- Modernized a legacy system by implementing critical operations in C++, replacing the previous Java version and resulting in faster and more efficient operations.
- Developed the data access layer using prepared statements and validation handlers, increasing database security and data integrity.
- Implemented asynchronous communication via MQTT between the controller and more than 100 ports, ensuring stable and scalable message exchange.
- Containerized the application using Docker, reducing environment setup time from hours to seconds per person.
- Stack: C++, MySQL, TLS, Docker, MQTT.

PROJECTS

Forum API — Backend Developer

Dec 2025 – Jan 2026

- Developed a scalable forum API in TypeScript using Nest.js, applying DDD, TDD, and Clean Architecture to ensure long-term organization, testability, and maintainability.
- Implemented serverless file uploads using Cloudflare, avoiding coupling with the server or database.
- Designed JWT (Bearer) authentication and Redis-based caching, preparing the API for concurrency and load growth.
- Wrote unit and application tests for each use case and controller using Vitest.
- Stack: TypeScript, Nest.js, Prisma, Redis, PostgreSQL.

EDUCATION

Colégio Técnico Industrial de Santa Maria (CTISM – UFSM)

Mar 2023 – Dec 2025

Skills:

- Web Systems Development
- Web Interface Development
- Software Analysis and Development
- Databases

English Language Course

Mar 2018 – Nov 2024

Intermediate English

Teens 2, Teens 4, Teens 6, Teens 8, W10, W12

SKILLS & INTERESTS

- Technologies: Node.js, Golang, Python, HTML/CSS, Next.js, React.js, Nest.js, TypeScript, JavaScript, PHP, PostgreSQL, MySQL.
- Tools: Git, GitHub, Firebase, Docker.
- Skills: Problem solving, adaptability, critical thinking, proactivity.
- Interests: Reading books, board games, gym.