THIAGO SANCHES

Backend Developer| Node.js, TypeScript & NestJS

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Description

Backend Developer with over five years of experience in large-scale enterprise systems, specialized in **Node.js** and **scalable architectures**. Experienced in critical projects, from architectural design to production delivery, with a strong focus on **performance, stability, and code quality**. Skilled in software engineering best practices (**Clean Code, SOLID, DDD, design patterns**) and experienced with **Express.js, NestJS, GraphQL**, and **Docker**. Proficient in code and SQL query optimization, automated testing (**Jest, Supertest, Polly**), and both relational and NoSQL databases (**PostgreSQL, MySQL, Redis**). Hands-on experience with CI/CD pipelines, Git, and agile methodologies such as Scrum and Kanban.

Experiência Profissional

Venturus —Backend Developer Node.js
Campinas, SP · Jun 2022 – Present

Experience in developing and maintaining **scalable**, **high-performance backend systems**, ensuring **stability**, **quality**, and **efficiency** throughout all stages of the development lifecycle. Responsible for managing **release and deployment processes** across environments, ensuring **controlled and reliable deliveries** for highly complex applications.

Key Deliveries & Achievements

- Developed and enhanced backend services using **Node.js, NestJS, GraphQL, TypeScript, Swagger, Jest,** and **Docker**, applying software engineering best practices and **SOLID principles**.
- Created a generic **Excel generation module (excel.js)** reused by multiple teams — **reduced new report implementation time by 70%**.
- Optimized **GraphQL queries**, reducing response time by **over 50%** and minimizing resource consumption.
- Implemented **asynchronous queues with Redis** to process file exports in the background, **preventing system overload** and ensuring **high availability** even under heavy data loads.
- Built and maintained **unit and integration tests** using **Jest** and **Supertest**, improving **code reliability and traceability**.
- **Managed releases, branching strategies, and version control, ensuring team alignment and consistency across deliveries**.
- Actively participated in **agile ceremonies (Scrum)**, contributing to **estimations, prioritization, and code reviews**.
- **Refactored code** and implemented **design patterns**, improving **scalability and application performance**.

Main Tech Stack: Node.js · NestJS · TypeScript · GraphQL · PostgreSQL · Redis · Docker · Jest · Git

Venturus —Java Developer (Intern)
Campinas, SP · Ago 2021 – Jun 2022

During my internship at **Venturus**, I worked on the **development and maintenance of backend systems** using **Java** and **Spring Boot**, gaining **hands-on experience** in **corporate and collaborative projects**. I was responsible for **implementing new features**, **fixing bugs**, and **continuously improving existing systems**, ensuring **stability and performance** across all services.
I also **refactored code** to improve **readability and scalability**, developed **unit and integration tests** with **JUnit**, and **monitored Docker pipelines** for application deployment. Additionally, I maintained **API documentation** using **Swagger**, followed **best version control practices** with **Git and Git Flow**, and actively participated in **agile ceremonies (Scrum)**, strengthening **team communication and collaboration**.

Stack: Java · Spring Boot · PostgreSQL · Docker · JUnit · Git · Swagger

Johnson Controls — IT Support Analyst (Intern)
Sorocaba, SP · Out 2020 – Jun 2021

Worked in **IT technical support (Levels 1 and 2)**, providing assistance to internal users, maintaining **MySQL databases**, and managing **tickets in Jira**. Collaborated with **cross-functional teams** to resolve critical incidents and create **technical documentation**, ensuring **system stability** and **process standardization**.
Contributed to the **creation and review of technical documentation**, improving **process efficiency and consistency**, while developing strong **problem-solving** and **time management** skills.

Stack: MySQL · Jira · Internal Applications

Infraware Consultoria — Help Desk
Sorocaba, SP · Jul 2020 – Set 2020

Provided **technical support for corporate systems and software** (Teams, Webex, Outlook, Active Directory), configuring and maintaining the **IT environment**. Participated in the company's **rebranding process**, supporting the **transition of visual and technological identity**, assisting in **process documentation**, and resolving **connectivity and VPN issues**.

Stack: Microsoft Teams · Webex · Outlook · OneDrive · Active Directory

Education

- **MBA in Artificial Intelligence & Big Data** · *ICMC – University of São Paulo (USP)* · Jul 2025 - Present
- **Bachelor's Degree in Computer Engineering** · *Facens University* · Jan 2019 – Dec 2023

Languages

Portuguese— Native · English— Professional Fluency