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João Vitor Teixeira

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I am a backend developer passionate about resolving complex problems and building a reliable, scalable, and maintainable codebase.

Work Experience

Moonwards Apps **Jul 2022 - May 2025**

Brisbane, Australia

Backend Leader **Jan 2024 - May 2025**

Helping a small backend team to deliver different types of projects, I also:

- Created more than 15 libraries (for NestJs and CDK) to help the team build standard code faster and more reliably.
- Introduced a deployment process to help the team focus only on the business logic of the projects for most of the time.
- Implemented authentication flow using OAuth and authorisation (Keycloak) to prevent developers from writing their authentication code, helping them to concentrate on the project goals.
- Developed more than seven projects that went to production using AWS Solutions, such as ECS, Lambda, RDS, DynamoDB, Bucket S3, CloudFront, SQS, etc...

Backend Developer **Jul 2022 - Dec 2023**

I held a key role in developing and maintaining robust REST APIs using NodeJS and the NestJS framework. My primary focus was on designing and implementing scalable solutions to meet business requirements.
Key responsibilities include:

- Developed and maintained REST APIs using NodeJS and the NestJS framework.
- Modeled SQL databases for different projects using MySQL and Prisma ORM.
- Managed infrastructure as code (IaC) using the AWS Cloud Development Kit (CDK).

PD Soluções **Feb 2018 - Jun 2022**

Santa Rita Do Sapucaí, Brazil

Backend Developer **Jan 2021 - Jun 2022**

NodeJS developer responsible for building a system automation for banking and customer service processes. Also refining requirements with constant meetings with stakeholders to understand the needs.
Technologies:

- AdonisJs
- Azure
- Serveless
- Event Grid
- PostgreSQL
- GitLab CI/CD
- Azure DevOps

C Developer **Feb 2018 - Dec 2020**

I started as a C programmer involved in many different projects, such as:

- Solutions in home security, equipment to sterilize medical and hospital materials.
- BLE luminaire, and BLE-controlled parking.
- Microcontroller recording solution using Arm DAPLink as a base.
- Control system access using a virtual FAT32 volume for digital biometrics registration.

During this phase, I used a lot of different technologies, such as:

- MQTT

- FreeRTOS
- Arm DAPLink
- Bluetooth Low Energy (BLE)

Education and Certifications

- **Bachelor Information Systems,** FAI - Centro de Ensino Superior em Gestão, Tecnologia e Educação. **2017–2021**

Technologies and Languages

- Languages: NodeJs, Typescript, C
- Technologies: Prisma, Nestjs, MySQL, AWS CDK, Git, GitHub, GitLab, Azure, AdonisJs, Postgres, MQTT
- Other: OAuth, Keycloak, FreeRTOS

Projects

- jvthecoder.dev is my website where I post my study cases and projects I've been working on during my free time.
- My First PR: When programming an embedded system using FreeRTOS, I had the first opportunity to help the open-source community.
- I also helped open-source Prisma Class Generator (a library I used, combining Prisma and NestJS).
- Moonenv: During my time at Moonward Apps, I built this project using Rust to help us manage environment variables.

Interests

- I'm always grateful for the opportunity to travel, try new restaurants, and meet new cultures and people.
- Study philosophy and read books
- Play games