

Antonio Gabriel Carmo Rego

Full-Stack Software Engineer

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Summary

Software Engineer with 3+ years of experience in developing scalable full-stack architectures, having implemented modular micro-frontends and robust backend systems. Proven expertise in achieving 70% unit test coverage, optimizing large-scale data platforms, and leading project teams with continuous delivery using Docker and AWS.

Experience

Junior Software Engineer, GREat (Computer Networks, Software Engineering and Systems Group) – Fortaleza, Brazil June 2025 – present

- Implemented a modular micro-frontend using Angular and TypeScript, technically integrating it with the Shell MFE and ensuring a scalable architecture for future system expansion
- Developed a complete unit testing suite with Jest, reaching 70% code coverage and reducing bugs in production
- Optimized loading and rendering performance of large data volumes on the frontend, significantly improving interface fluidity and user experience
- Maintained and evolved Angular-based applications, adding new features following modern architectural patterns

Junior Software Engineer, Golden Cloud Technology – Fortaleza, Brazil Jan 2025 – June 2025

- Developed a scalable full-stack platform using Next.js and Go, implementing a modern web architecture focused on performance and maintainability
- Implemented a robust permission control system on the backend with Casbin and secure authentication on the frontend with NextAuth, ensuring data protection and effective access management

Full Stack Developer, GREat (Computer Networks, Software Engineering and Systems Group) – Fortaleza, Brazil Sept 2023 – Dec 2024

- Built a Big Data analysis platform with Java, TypeScript, and PostgreSQL, developing a RESTful API with Spring Boot, automated tests with JUnit, and complete OpenAPI documentation
- Developed a modern and responsive web interface using React.js, Material UI, and Redux, integrating complex data visualization with an optimized user experience
- Implemented serverless functions with Python for AWS Lambda, enabling efficient and scalable cloud data processing while reducing operational costs
- Orchestrated automated platform and API deployment using Docker and Railway, ensuring continuous, reliable deliveries and simplified rollbacks
- Maintained and evolved the D-CREA application using AngularJS, Node.js, and MongoDB, fixing critical bugs and eliminating errors that impacted user experience

Full Stack Developer and Project Manager, CEOS Jr – Fortaleza, Brazil

Apr 2023 – Apr 2024

- Developed and delivered complete web applications with Next.js, React, Node.js, and Go for real clients across various sectors, meeting specific business requirements
- Managed as Project Manager the development of Atlas, an internal management application built with Next.js and Go, coordinating the team and ensuring on-time delivery
- Led the administrative-financial department, managing budget organization, resource allocation, and financial planning for the junior enterprise

Education

Federal University of Ceará, Bachelor's Degree in Computer Science – Fortaleza, Brazil

2022 – 2026

EEEP Edson Queiroz, Technical Degree in Information Technology – Cascavel, Brazil

2019 – 2021

Skills

Languages: Go, Java, Javascript, Python, SQL, Typescript

Frameworks: Spring Boot, React.js, Next.js, Node.js, go-chi, AngularJS

Technologies: Git, Docker, AWS, SCRUM, Casbin, PostgreSQL, MongoDB, JUnit, Railway