

Antonio Gabriel Carmo Rego

Software Engineer

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Summary

Software Engineer with over 3 years of experience specializing in scalable full-stack architectures. Proven track record in developing modular micro-frontends and robust backend systems using Go, Java (Spring Boot), and TypeScript. Expert in implementing secure authentication frameworks and streamlining cloud deployments via Docker and AWS. Passionate about code quality, having consistently maintained high testing standards and optimized performance for large-scale data platforms.

Experience

Junior Software Engineer, GREat – Fortaleza, Brazil June 2025 – present

- **Micro-frontend Development:** Implemented a micro-frontend (MFE) using Angular and TypeScript, performing technical integration with the Shell MFE to ensure system modularity.
- **Software Quality:** Developed a unit testing suite with Jest, achieving a 70% code coverage threshold to ensure functional stability.
- **Performance & UX Optimization:** Implemented frontend solutions to optimize loading and rendering of large datasets, focusing on interface fluidity and user experience.
- **Maintenance & Evolution:** Sustained and developed new features for Angular-based applications, adhering to modern architectural patterns.

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

- **Platform Development:** Engaged in full-stack development of a platform using Next.js and Go, focusing on modern and scalable web architecture.
- **Access Control and Authentication:** Implemented permission control in the backend with Casbin and authentication in the frontend with NextAuth.

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

- **Big Data Fortaleza:** Contributed to building a data analysis platform with Java, Typescript, and PostgreSQL. Developed a Restful API with Spring Boot, automated tests (JUnit), and OpenAPI documentation.
- **Serverless Functions:** Developed serverless functions with Python for AWS Lambda, enabling efficient and scalable cloud data processing.
- **Deployment:** Orchestrated platform and API version deployments using Docker and the Railway platform, ensuring continuous and reliable deliveries.
- **D-CREEA Project:** Contributed to the development and maintenance of an application with AngularJS, Node.js, and MongoDB, focusing on bug fixing and critical error elimination.

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

Apr 2023 – Apr 2024

- **Web Projects:** Developed web applications with Next.js, React, Node.js, and Golang for real clients across different domains.
- **Atlas Internal Management:** Acted as Project Manager for Atlas, an internal management application built with Next.js and Golang.
- **Financial Leadership:** Managed the administrative-financial sector, handling budgeting, cash flow, and resource management.

Education

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

Mar 2022 – Dec 2026

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

Jan 2019 – Dec 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