

Gustavo de Castro Barcelos

Backend Software Engineer I

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Florianópolis, SC, Brazil

I have 6 years of experience with systems development. Recently maintaining a delivery management system and leading technical initiatives with AI agents resulting in an optimized and scalable NodeJS and Grails code.

Work Experience

Full-Stack Software Engineer I

Mar 2020 - Present

MaisEntregas | Remote

- Reduced customer support manual contract creation time for over 100 clients by implementing a tiered contract system with tier selection and pricing configuration on Grails.
- Built a Grails automated billing system processing over 150 client invoices monthly, eliminating manual ticket generation through an API integration.
- Implemented a polyline caching system that optimized routing API costs by 36% (700k to 450k requests) by using coordinate-based hashcode search on Grails and NodeJS.
- Developed a strategic Redis-based buffer queue system that ensured seamless notification deliveries to drivers, improving the React Native app reliability; the system has now been adopted company-wide, benefiting over 19,000 delivery personnel.
- Implemented custom domain customization that achieved an additional \$500 monthly income by creating a configuration process on Cloudflare utilizing clients' domains.
- Stack: JavaScript, TypeScript, NodeJS, Grails, Java, VueJS, React, React Native, Express, Spring Boot, Hibernate, MariaDB, Redis, Docker, Google Cloud Programming (GCP), Azure, Git, GitHub Actions, Docker.

Intern Stack Developer

Nov 2019 - Mar 2020

MaisEntregas | Florianópolis

- Improved user profile modal editor loading time from 5s to 1s by refactoring the Hibernate query on Grails.
- Improved order price module that guarantees calculus consistency 100% of the time it runs by refactoring and reducing the code size on Grails.

Education

Serviço Nacional de Aprendizagem Industrial SENAI/SC

Mar 2019 - Mar 2021

Associate (AAS) System Analysis and Design

Relevant Coursework:

Participated in three graded projects: A warehouse stock management, an used cars marketplace and a job board/job finder app. Stack: HTML, CSS, JavaScript, PWA, NodeJS, Express, MySQL.

Languages

Portuguese (Native), English (Intermediate - C1)

Interests

Typescript, NextJS, VueJS, Fastify, Java