

Gabriel Campos Zilmar Caetano

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Skills

- Node | Git | JavaScript | Typescript | Java | Spring Boot | PostgreSQL | DynamoDB | MongoDB | Express | Sequelize | ORM | Nest | React | Redux | Next
- Websocket | AWS | AWS Lambda | Firebase | Rest API | GraphQL | Serverless | Docker | CI/CD | GitHub Actions | Kubernetes
- Microservices | Jest | Cypress | Unit, Integration, and E2E testing |DDD | TDD | Clean Code | Solid | Scrum
- English, Portuguese – All professional proficiency or above

Experience

Full-Stack Software Engineer

Lux Capital

New York, USA

11/2024 - Current

- Designed and led the implementation of a hierarchical user structure with role-based visibility rules, enabling scalable access control aligned with organizational levels.
- Led the development of a cryptocurrency exchange as Tech Lead, implementing buy/sell order flows and an RBAC authorization system.
- Refactored the KYC process from a system to an automated workflow using FaceLiveness detection, enhancing efficiency and security.
- Created a service to automate company payments using Spring WebFlux and event-driven architecture, making the process way faster and hassle-free.

Full-Stack Software Engineer

Boost-It

Lisboa, Portugal

04/2024 - 11/2024

- Played a pivotal role from project inception as Tech Lead, designing and modeling the database to meet client requirements, and conducting pull request reviews to ensure code quality.
- Performed full-stack development from scratch, employing technologies such as Next.js, Tailwind CSS, Shadcn, React Query, and Axios for the frontend, and Nest.js, PostgreSQL, and TypeORM for the backend.
- Implemented unit, e2e, and integration tests using Jest, integrated OAuth to create integration with third-party e-commerce services, and configured error monitoring with Sentry.

Full-Stack Software Engineer

Shaw and Partners

San Francisco, CA, USA

06/2021 - 03/2024

- Key highlights include developing a comprehensive healthcare and insurance management system with a contract builder, driving brokers' success in selling thousands of plans. Proficient in PostgreSQL, Typescript, Express, and React.
- Additionally, excelled in leading the development of a voice task service with advanced technologies like speech-to-text, showcasing expertise in serverless architecture, NoSQL databases, Next.js, and Node.js.
- Led the creation of enterprise-level microservice applications with innovative features, including a Slack text-game integration and a community-building application. Implemented a robust microservices architecture using PostgreSQL, Elasticsearch, Express, Typescript, React, Next, and GitHub Actions, and established a comprehensive testing suite.
- Led the development of applications displaying 3D renders of properties, leveraging cross-platform technologies (React, Cordova, Electron), and implementing a robust communication infrastructure with web sockets and GraphQL APIs using AWS Lambdas, optimizing overall performance and sales workflow.

Full-Stack Software Engineer

VP6

Belo Horizonte, MG, Brasil

12/2020 - 05/2021

- Developed sophisticated enterprise-level consultancy web applications, leveraging Django, and PostgreSQL for the backend and React for the frontend. Demonstrated proficiency in creating scalable and responsive solutions to meet complex business requirements.

Full-Stack Software Engineer

OperData

Belo Horizonte, MG, Brasil

03/2020 - 12/2020

- Designed and implemented a comprehensive web application from inception, catering to the intricate management needs of an estate agency. Engineered the backend using PostgreSQL, Node.js, and Express, coupled with a dynamic frontend developed with React. Demonstrated mastery of full-stack development to deliver a robust solution for efficient estate management.

Education

Bachelor of Computer Science

PUC - Minas

Belo Horizonte, MG, Brasil

01/2018 - 12/2021

- Major in Computer Science

Academic Research

- Urban mobility and vehicular networks at PUC - Minas (01/2019 - 02/2020)