Guilherme Barroso

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EDUCATION

Estacio   January 2022 - Present
Bachelor of Information Systems   *GPA* 9,67

WORK EXPERIENCE

Automate Army   Denver, CO, United States

Software Engineer – Full time

March 2024 – Present (Full time)
September 2022 – March 2024 (Part time)

- Responsible for all back-end development using Node.js and TypeScript, leveraging Google Cloud Platform (GCP) for cloud services, and utilizing GitHub workflows for CI/CD. Also perform testing with Jest.
- Created new features such as an OG image generator using Deno with edge functions.
- Took on some front-end tasks, working with React, Next.js, Firebase, and Supabase.
- Developed a server to consume reports from the USA government site and save them to BigQuery. This involved downloading reports, unzipping, and reading all CSV files using generator functions and streams to read on demand, then creating a new CSV format to upload to BigQuery.
- Extensively utilized Retool, a renowned platform for building efficient user interfaces.
- Developed a REST API using Python FastAPI as the framework.
- Responsible for migrating legacy projects to newer versions.
- Created a webhook with AppSumo, which increased revenue and attracted more customers.

Zenvia   São Paulo, SP, Brazil
Software Engineer – Full time   February 2022 – February 2024

- Responsible for providing maintenance and improvements to chatbots and APIs, following established processes using agile methodologies (Scrum) and technologies such as node.js, serverless, docker, and redis.
- Technical lead for a large-scale chatbot at Bradesco Seguros (the largest insurance company in Latin America), ensuring support to the sales team and development of new functionalities.
- Responsible for using CI/CD concepts to make development efficient and automate deployment with GitHub Actions.
- Responsible for implementing unit tests to ensure code quality and reliability.

Pmovel   Volta Redonda, RJ, Brazil
Software Engineer – Full time   March 2021 – February 2022

- Responsible for code maintenance and the development of new features using Node.js, PHP, Bootstrap, MySQL, and AWS;
- Implemented documentation and some design patterns to facilitate code maintenance and future new features;
- Responsible for implementing indexes and writing good queries to increase relational database performance.

MAJOR PROJECTS

BEFinances   2023

A finance project that helps expenses control.

- Developed with React + Tailwindcss on frontend;
- The backend was implemented as a RESTful API based on node.js with Typescript, Serverless and MySQL
- Implemented user authentication with JWT.

Leads Project   2023

Project that Catches leads and send messages to a Telegram chat group.

- Implemented a feature that catch all leads and generates a CSV file for further analysis
- Implemented a simple form to send the lead's information
- Implemented a feature that send the lead by E-mail

Webchat   2022

A simulation of an online chat.

- Implemented using React and Socket.io and a local server with a database in memory to save the messages.

TMDB   2022

A website that contains trending's movies information.

- Implemented TMDB Api to get movies data;
- Front-end with React and Bootstrap framework;
- Implemented user authentication with JWT.

SKILLS

PROGRAMMING LANGUAGES

4 years:	JavaScript
1 year:	PHP
6 months:	Java, Python
3 months:	C, C#, C++

TECHNOLOGIES

HTML, CSS, Node.js, Express, TypeScript, React, Prisma ORM, Socket.io, SQL, DynamoDB (NoSQL), Git, AWS, GCP, Heroku, Vercel, Unix/Bash, Unit tests (Jest), Docker, Serverless, GitHub Actions, BigQuery, Firebase, Firestore, Supabase, Puppeteer, Cheerio, Next.js, App Engine, E2E tests with Jest