São Paulo, Brazil / Remote

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# FERNANDO OLLE

**PROFILE**

## I am a software engineer who has been building and improving existing systems in many fields since 2019, developing solutions for the financial, big-data, HR, and other industry sectors.

I have also dabbled in teaching and scientific research. Throughout my career, I have developed several projects of all sizes and degrees of complexity, becoming a technical reference in every company or client I have worked for.

I also have experience managing teams and developing areas and people for new products entering the market, contributing to tech communities and contributing code to open-source projects, scientific research developing tools for AI research, and teaching and mentoring future Computer scientists.

**Skills**

- JS / TS
- Testing frameworks
- Databases
- Github and Actions

- NestJS
- Kubernetes
- Java
- Python

- AWS
- Docker
- Spring Framework
- C/C++

**Fernando Olle**                                                                              **+55 (11) 96373-9666**

EMPLOYMENT
HISTORY

## Lead Backend Developer at Solu AI , Remote (Brazil)

October 2024 — Present

Responsible for migrating the MVP project from Ruby on Rails to NestJS, utilizing design practices such as modular ports and adaptor architecture to improve our product's maintainability and scalability.

Responsible for designing and adapting our data model to a new database format, using PostgreSQL, AWS S3, and Redis, streamlining complex processes, and improving reliability.

Responsible for implementing custom and resilient AI workflows using big-data APIs and LangChain inside the NestJS backend.

Responsible for maintaining CI/CD pipelines with Terraform and GitHub Actions and monitoring with Sentry, providing an easy-to-use experience for the team on integration, deployment, and tracking issues within our systems.

Responsible for designing new AWS Cloud infrastructure and picking and choosing key infrastructure details, such as using EC2, S3, Security Manager, and other cloud services.

Responsible for choosing and integrating tools to accelerate product delivery like Resend, Auth0, WeGlot, Stripo, Prismic, and others, giving flexibility to product teams and maintaining a high throughput of developers' deliverables.

## Software Engenieer at CashMe, Remote (Brazil)

September 2022 — October 2024

Responsible for designing and implementing a company's first performance-sensitive, Java Spring,  big-data pine line that filtered all the home-equity proposals within tight time windows as a cron job, ranking each based on key prioritization aspects for better UX on the sales team side, saving countless hours for both sales teams and high-importance clients.

Responsible for developing company internal tools such as a custom Java library to integrate backend systems to Microsoft Dynamics 365, impacting developers company-wide with a robust, reliable, and complete solution for complex operations like all types of batch requests that were implemented from a low-level, all the way to an ergonomic high-level API.

Responsible for integration monitoring tools like NewRelic, Grafana, and ArgoCD, with our CI/CD system with GitHub Actions, and our Kubernetes cluster, giving developers a better way to track bugs and find critical points on our components.

Responsible for developing the company's custom message and SMS chat solution using Java and the Spring framework, giving the end user a better UX, and removing our reliance on third-party tools, generating savings of nearly half a million R$ per year.

Responsible for implementing backend solutions for client-facing interfaces using Java Springboot within ports and adapters, reducing client friction, and vastly improving the number of available proposals for the sales team.

## Software Engeenier at Close-Up International / ScalaSystems, Remote (Argentina)

February 2022 — October 2022

Responsible for migrating and redesigning authentication and data pipeline systems of top pharmaceutical players' data and sales niches from MySQL to OracleDB, generating substantial savings on cloud bills with the migration to the Oracle Cloud.

Responsible for implementing the authentication system with ABAC and RBAC rules, using Java and the Spring framework, securing company information, and improving the system's maintainability.

Responsible for maintaining and implementing new features on Java Springboot backend, giving non-technical users access to powerful big-date processing tools like NiFi, and making CloseUp's product modern and attractive to new partners.

Responsible for maintaining and improving CI/CD processes using Jenkins and Groovy, adding features such as auto versioning tags on the front end, thus adding clarity for the user when a new feature was available.

## Frontend Developer at TeleColeta / OlleLabs, Remote (Brazil)

January 2022 — February 2022

Responsible for designing and implementing the company's web portal using NextJS for better SEO, and Vercel for easy deployment. I've implemented integrations with Google's Youtube API and GraphCMS for easy company content maintainability, giving them an easy way to communicate with clients.

## Fullstack Web Developer at Cangucu FM / OlleLabs, Remote (Brazil)

December 2021

I was resposible with developing a web portal app for a local radio company, featuring:

* A NGINX reverse proxy enabling radio playback within the website with full HTTPS support.
* A custom Content Management System (CMS) and management functionalitym using GraphCMS with GraphQL.
* Server-side rendering with custom paginations based on post tags usign NextJS.
* Systems for posts and comments, allowing both anonymous and signed comments.

I spearheaded the development of all these features and initiated the implementation of a Radio Schedule system before the project stalled.

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## Full stack Web Developer at MerTIns Tecnologias , Remote

March 2021 — August 2021

Responsible for implementing a data synchronization module that checked for error logs on clients' self-hosted versions of our Java JFRM system and mismatched data through Mongo-DB and PostgreSQL instances, giving speed and often preemptive approach to bug fixing, thus improving significantly the client's experience with our product.

Responsible for implementing the help desk component of Java JFRM framework, thus removing the company's dependency on BugZilla, generating hosting costs, and improving clients' experience.

## Computer Science Tutor at Federal University of Pelotas - UFPel, On-Site (Pelotas, Brazil)

March 2019 — December 2019

Responsible for teaching and helping first-year students with algorithms and data structures, C/C++, Python, and SQL.

Responsible for teaching and helping visually impaired students with algorithms and data structures, C/C++, Python, SQL, and math, or assisting with any college-related topic.

**RESEARCH WORK**

## Researcher at BDR-ID - UFPel and UFSM , Hybrid (Pelotas, Brazil)

May 2023 — December 2023

I was responsible for developing a Local Document Store, S3-like data storage using NodeJS, for rapid image filtering and classification using our file-stored information about said images to train AI Models on our game-changing image/data collection of lesions related to diabetic retinopathy.

**CONTRIBUTIONS TO THE COMMUNITY**

## Open Source Contributor at react-social-icons

January 2025

Contributed to the open-source ReactJS code base, adding the integration to DEV.TO social network. Tested and opened the pull request following the project's guidelines.

## Conference Speaker at CodingFerpa, On-Site (Fernandópolis, Brazil)

December 2024

I gave a talk at the CondingFerpa tech event about Java, LangChain4j, and how the JVM is a fantastic environment for building LLM and AI-centric apps.

## Writer at dev.to / DEV Community

December 2024

Enticed by my peers, Cultural-Javism, my talk at Java in Rio became my first post on *dev.to* platform, which awarded me the badge of Author of the Week on the global *#Java*. *Also* my article was shared by *dev.to* official X (former Twitter) account.

## Conference Speaker at Tech in Rio / Java in Rio , On-Site (Rio de Janeiro, Brazil)

November 2024

I gave a talk at the Java in Rio tech event about Modern Java, ramped advancements in the Java language and JVM in the last few years, and how the language can feel fresh and modern by today's standards.

EDUCATION

## Bachelor's Degree in Computer Science at Federal University of Pelotas (UFPel)

August 2018 — March 2024

## Post Advanced English Language Course  at CCLS

February 2021 — August 2021

## Spring framework and Angular Bootcamp at Santander, Digital Innovation One

March 2021 — September 2021

## Web Development Technologist Course at Federal Institute of Rio Grande do Sul (IFSul)

March 2021 — November 2021