Software Engineer

São Paulo, Brazil / Remote
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FERNANDO OLLE

PROFILE

Versatile developer with a passion for technology and a commitment to continuous learning. Experienced in backend development to build robust, scalable solutions. Proven ability to navigate complex projects–, implement innovative solutions, and drive impactful results. Eager to contribute expertise and collaborate on dynamic projects in a remote or local setting.

Skills

- Java
- Spring Framework
- Docker
- Jenkins
- Wiremock

- JS / TS
- NestJS
- Kubernetes
- JUnit
- Github and Actions

- SQL
- AWS
- C/C++
- Mockito
- Python

EMPLOYMENT
HISTORY

Lead Backend Developer at Solu AI , Remote

October 2024 — Present

I'm tasked with maintaining the legacy app while building a v2 app from the ground up, reconsidering the best practices and understanding the client needs for its niche at a high business level, then translating it to NodeJS with TypeScript on the NestJS framework, laying a solid foundation for improvements using many integrations with products like Auth0's RBAC, Resend, AWS, and LangChain with custom tools and workflows.

Software Engenieer at CashMe, Remote

September 2022 — October 2024

I specialize in distributed systems, handling diverse interactions such as synchronous HTTP, batch systems, CronJobs, workers, suppliers, Web APIs, and internal libraries. My experience includes managing Java JDK, Spring/Spring Boot version migrations. I've executed various automated tests like mocked tests, stubs-based tests, and interface checks. My focus is on creating robust, maintainable systems in alignment with best practices.

Software Engeenier at Close-Up International / ScalaSystems, Remote

February 2022 — October 2022

During my tenure at Close-up, I led the development of the Security Microservice, facilitating access control for pharmaceutical industry stakeholders to Dashboards and Big Data Pipelines. Leveraging Java 17 and Spring Boot, I ensured the microservice's robust functionality. I managed team deployments via a Jenkins pipeline, deploying Dockers on remote machines. Additionally, I integrated versioning systems into the Jenkins pipeline to display Micro SPA versions on React frontend for internal monitoring.

Frontend Developer at TeleColeta / OlleLabs, Remote

January 2022 — February 2022

I was contracted by a local B-2-B rubbish collection company, to develop a landing page. Leveraging the JavaScript ecosystem, particularly React, I crafted a dynamic landing page. This project involved integrating various Google APIs to enhance functionality and user experience.

Fullstack Web Developer at Cangucu FM / OlleLabs, Remote

December 2021

I was tasked with developing a blog-like app for a local radio company, featuring:

- A reverse proxy enabling radio playback within the website with full HTTPS support.
- A custom Content Management System (CMS).
- Account management functionality for administrators.
- Server-side rendering with custom paginations based on post tags.
- 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.

Full stack Web Developer at MerTIns Tecnologias , Remote

March 2021 — August 2021

My initial experience with Java was transformative, offering exposure to intricate Java intricacies often overlooked in API-driven architectures, especially within high-level frameworks like Spring. Despite the challenges, I made significant contributions to the company by single-handedly laying the foundation for their helpdesk system, which replaced Bugzilla. Additionally, I developed the event logging and sinking module critical for error analysis and cost optimization. Upon my departure, three personal acquaintances joined the company, a testament to my endorsement and the value I brought to the team.

Computer Science Tutor at Federal University of Pelotas - UFPel, Pelotas, Brazil

March 2019 — December 2019

I provided assistance to first-year students and visually impaired colleagues across various Computer Science subjects, aiming to reduce course attrition rates. As a scholarship holder tutor, I actively participated in volunteer work, finding the experience deeply fulfilling. Beyond merely exploring avenues to monetize my passion for technology, this opportunity connected me with remarkable individuals who demonstrated that visual impairment does not hinder one's pursuit of aspirations, enriching my journey in profound ways.

CONTRIBUTIONS TO THE COMMUNITY

Open Source Contributor at react-social-icons

January 2025

React-Social-Icons is a set of beautiful svg social icons. Easily used in React. No images or external css dependencies. I've contributed to the project adding support to *dev.to* social network.

Conference Speaker at CodingFerpa

December 2024

I gave a talk at the CondingFerpa tech event about Java and LangChain4j and Java, and 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, <u>Cultural-Javism</u>, 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*, and my article was shared by *dev.to* official X (former Twitter) account.

Conference Speaker at Tech in Rio / Java in Rio

November 2024

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

RESEARCH WORK

Volunteer Researcher, BDR-ID - UFPel and UFSM

May 2023 — December 2023

Our team focuses on curating a fundus image bank essential for research dedicated to targeting and detecting lesions associated with diabetic retinopathy. Our work aims to advance the state-of-the-art in lesion detection related to diabetic retinopathy, and facilitate research endeavors and contribute to the development of innovative approaches for the early detection and management of diabetic retinopathy-associated lesions.

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