



JEAN LOUI BERNARD SILVA DE JESUS

Software Engineer | Full-stack | B.Sc. Computer Science

<https://jeanloui.dev>

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I seek working on challenging projects that deliver impact on the product and the team's performance, applying my skills in software engineering, algorithms and data structures.

EXPERIENCE:



Jusbrasil - Fullstack Software Engineer I

Full-time, Brazil, Remote

August, 2024 - Present

- Development of an entirely new B2C product at Jusbrasil, collaborating with leaders, designers, product managers, and other teams — Implemented APIs in Golang, retrieving information from multiple systems, creating prompts and sending requests to well-known LLM APIs in the market; Managed GraphQL server in TypeScript and GQL using Apollo library; Developed landing pages and new front-end features in React, as well as experiments and event tracking in collaboration with DAs; Wrote unit tests for both back-end and front-end; Code reviewing.



Escavador - Software Engineer

Internship, Brazil, Hybrid

November, 2022 - July, 2023

- Designed and set up the search engine used by Escavador to store and search billion of documents from several brazilian law courts and government gazettes; Built a high-performance asynchronous indexer in Python to feed the search engine with entities from multiple MySQL databases — in addition to developing new features for the Vespa.ai repository.

* More experiences and information can be found [here](#) .

EDUCATION:



Federal University of Bahia

Bachelor's Degree in Computer Science

August, 2021 - Estimated: 2026

Member of GruPro — university's group, aimed at programming competitions, such as ICPC.



Google Cloud Academy

Google Cloud Computing Foundations Academy

March, 2024 - April, 2024

Google's program certificate and additional certificates are available [here](#).



edX - IBM's MicroBachelors Program

Full Stack Application Development

January, 2024 - Present

IBM certificates can be found [here](#).



Harvard Online

Computer Science for Web Programming

January, 2024 - Present

Harvard certificate [here](#).

* See all certifications and details about them [here](#) and on my [Credly](#) .

SKILLS:



Programming Languages, Markup and Styling Languages:

Python, TypeScript, JavaScript (Browser / Node.js), Golang, Java, HTML, XML, CSS.

Web, Frameworks, Scraping & Crawling, Databases and Tools:

FastAPI, Django, Flask, Express.js, Next, React; APIs, JWT, SOAP and REST; BeautifulSoup, Selenium; SQLAlchemy, Peewee, Prisma; MySQL, PostgreSQL, MongoDB; Entity Modeling.

Cloud & Infrastructure:

Google Cloud and IBM Cloud; RabbitMQ, Kafka; GraphQL, Nginx; Airflow; Docker, Podman and Dokku.

Unit Testing & CI/CD, Packages, Version Control:

Pytest, Unittest, Jest, Mocha, and Chai; Package creation and management with PIP, Hatchling, Poetry, and NPM; Github Actions and GitLab.

Clean Code, Design Patterns, Project Standards, and Microservices Architecture:

Development following SOLID; Procedural Programming, Object-Oriented Programming, and Functional Programming; Application of design patterns such as Observer, Singleton, Factory, among others; MVC and MVP patterns; Microservices architecture.

Soft Skills and Agile Methodologies:

Design Thinking, Scrum, Kanban, OKRs (Objectives and Key Results).

Data Structures, Efficient Algorithms, and Complexity Analysis:

Trees, graphs, queues, stacks, hashing, sorting, searching, compression, complexity analysis, etc.

* Further skills available [here](#).

HONORS & AWARDS:



Bronze Medalist (3rd out of 25) at the 2024 ICPC South America/Brazil First Phase

August, 2024

ICPC (International Collegiate Programming Contest), On-site

Global Rank: 131th / Bronze Medalist of Bahia



Honorable Mention - IBM: Marathon Behind the Code (2019)

August, 2019

IBM, Remote

Placed 83th of top 100 at the challenge 01 — Pão de Açúcar Group

Placed 23th of top 100 at the challenge 04 — Boticário Group

* Explore more about the competitions held, achievements, and results [here](#).

VOLUNTEER EXPERIENCE:



Staff Member at ICPC Latin America Championship 2025

March, 2025 - March, 2025

ICPC (International Collegiate Programming Contest), On-site

Contributed to the organization of the competition.

August, 2023 - Present



Speaker at Python Development Workshop - SEMCOMP 23

September, 2023 - November, 2023

InfoJr UFBA | SEMCOMP 23, Remote

Led a workshop, talking about the Python language and its technologies; Built a mini project during the workshop with Flask to upload and edit metadata of music files on a web server.

* More volunteer experiences and information can be found [here](#).

PROJECTS:

FlightRadarAPI

Python & Node.js SDK

SDK for Python and Node.js — published on PyPI and npm — to retrieve information about flights, aircraft, and airports, sourced from the Flightradar24 website.

+2 Million downloads

[View repository here](#) 

PyMemoryEditor

Python Library

A cross-platform library, developed with ctypes in Python — published on PyPI — for reading, writing, and searching process memory on Windows and Linux (32 and 64-bit). The project also includes a graphical user interface application built with Tkinter.

+300.000 downloads

[View repository here](#) 


Dokku Web

Web Application

This project is a web application that acts as a dashboard interface for the Platform as a Service Dokku. Its goal is to simplify and enhance the user experience when managing applications through Dokku by providing an intuitive, interactive, and fully responsive visual interface, suitable for both mobile devices and desktops.

Work in progress ([production](#))

[View repository here](#) 

* Explore more projects and details on my [GitHub](#) .

CONTRIBUTIONS ON STACKOVERFLOW:

Contributing to the [StackOverflow](#) platform since 2019, helping thousands of people by providing highly detailed answers to specific, practical, or theoretical questions about algorithms, tools, and software development techniques — with over 230 questions answered — ranking among the top 150 users on the platform.