Fabio H. B. Lopes

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Education

Bachelor in Computer Engineering - Federal Institute of São Paulo (IFSP) (02/2024 - 12/2028)(Expected)

Technical Skills

- Languages: Rust, Go, C, C++, Node.js, Python
- Web Development: APIs, HTTP servers, Node.js, Express, Fullstack
- Databases: MySQL, SQL Server, PostgreSQL
- Tools & Systems: Git/GitHub, Linux (Arch), VSCode, Docker basics, VisualStudio

Relevant Projects

HTTP 1.1 Server in Rust:
- Development of a web server from scratch implementing HTTP 1.1
- Focus on performance, sockets, multithreading, and persistent connections
- Demonstrates deep knowledge of network protocols and low-level systems

Password Manager - Passman (Python):
- CLI application for generating and storing passwords using encryption
- Uses CSV and cryptography libraries for secure manipulation and retrieval of credentials

CLI in Go:
- Created a command-line tool for task automation
- Demonstrates concurrency, flags, and file manipulation

Web Scraper in Node.js:
- Developed a scraper to collect information from websites
- Uses request/axios and cheerio for HTML parsing and data extraction

Objective

Work as a Software Development Intern, applying knowledge in Rust, Go, C/C++, and Node.js, with interest in back-end, distributed systems, and data analysis.

Languages

Portuguese (Native)
English (Fluent)