Joao Pedro Mascarello Portes

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EXPERIENCE - 4 YEARS

Fullstack Engineer   June 2024 – Present
Savelivez   *Remote · Brazil*

- Led the architecture and development of a custom software solution for hospitals, overseeing the entire lifecycle of the frontend, backend, and partial DevOps processes.
- Designed and implemented a fully bespoke UI/UX for data visualization, enabling hospitals to make critical decisions with ease.
- Engineered robust backend systems for managing complex hospital data, ensuring seamless integration with the custom frontend.
- Managed a team of three, taking primary responsibility for architectural design and most of the code development, which delivered a high-performance, scalable, and user-centric software solution tailored to healthcare needs.
- Ensured data accuracy and responsiveness by optimizing backend-to-frontend workflows, from table management to dynamic visualizations.

Market Research Analyst & Software Engineer   Sep. 2021 – May 2024
Cryptech Enterprises   *Remote · Brazil*

- Conducted market research and analysis to inform data driven investment decisions in the cryptocurrency sector.
- Developed a full-stack web application using NextJS, MySQL and Docker to analyze multiple token data and interact with wallets
- Developed and automated trading strategies to optimize investment portfolios.
- Managed operational trading activities, ensuring timely response to market conditions.
- Identified and acted upon investment opportunities in cryptocurrency "IPO's", substantially increasing portfolio value.

Full Stack Engineer - Freelance   May. 2021 – May. 2024
Various Clients   *Remote · Brazil*

EDUCATION

Universidade Tecnológica Federal do Paraná   Toledo, PR
Bachelor of Computer engineering (7/10 semesters)   Aug. 2017 – March 2020, March 2021 - September 2021 (PAUSED)

Harvard University   Remote
CS50x: CS50's Introduction to Computer Science   *Sep. 2023 – Dec 2023*

PERSONAL PROJECTS

Retire-Me | *Python, Flask, React, NextJS, MySQL, Docker* Video   Dec 2023 – Present

- Built a fullstack web application with Next.js, Node.js, and Python, integrating secure user authentication, real-time portfolio management, retirement and financing calculators, and an advanced portfolio rebalancer.
- Developed features to manage and display stocks in real-time using Yahoo Finance data, including CRUD operations for portfolio stocks.
- Implemented retirement and financing calculators to help users plan future financial needs and understand various loan scenarios.
- Utilized Next.js, React, Node.js, Python with Flask, and Docker for a robust, secure, and scalable application. Emphasized data security with bcrypt for password hashing and optimized performance using Prisma ORM and MariaDB in a Docker environment.

TECHNICAL SKILLS

Languages: **TypeScript**, C/C++, Python, SQL, HTML/CSS
Frameworks: **NextJS**, React, Node.js, Flask, QT
DevOps: **AWS**, Git, Docker, Serverless, **Supabase**