

Caipora

joao@monamartins.com • (+351) 912500946 • Lisbon, Portugal • <https://github.com/caipora-cs>

EXPERIENCE

Atelier Casa Do Trem

Internship

June. 2023 – August 2023

Sao Paulo, BR

■ Network Reconnaissance and Data Backup Enhancement

- Conducted a comprehensive network reconnaissance to identify vulnerabilities and optimize network performance.
- Assisted in setting up a robust data backup solution on a FreeBSD server, ensuring data integrity and security.
- Successfully tested and validated the backup solution to guarantee its reliability.
- Uploaded critical data to AWS S3 cloud storage for off-site redundancy, enhancing disaster recovery capabilities.
- Led the migration effort to transition legacy Windows 7 machines, which had reached end-of-support, to Linux operating systems.

■ Full-Stack Web Application Development

- Played a vital role in the programming team for the company's new web application, designed to streamline the supply chain management process.
- Worked on both front-end and back-end development using a stack comprising TypeScript and Node.js.
- Utilized serverless architecture principles to optimize scalability and cost-effectiveness.
- Maintained comprehensive documentation of the application, facilitating efficient troubleshooting and future development.
- Collaborated closely with the team to integrate various modules related to suppliers, workers, jobs, production, financials, and profit margin control.

Bancor

Internship

June 2021 – August 2021

Remote

■ Proposal Writing and Business Development

- Developed proficiency in crafting persuasive project proposals, effectively communicating complex project architectures to potential partners.
- Leveraged deep knowledge of Decentralized Autonomous Organizations (DAOs), security best practices, and market synergies to create compelling partnership proposals.
- Created automation bots for communication platforms like Telegram and Discord, enhancing task management and communication within blockchain communities.
- Demonstrated expertise in database design and analytics, specializing in pattern searching and data analysis with python.
- Utilized tools such as Snowtrace and Etherscan to efficiently track and analyze blockchain transactions and activities.

EDUCATION

Polytechnic Institute of Tomar

Bachelor in Information Technologies

June, 2024

Santarem, PT

- **Relevant Coursework:** Networking, Systems Administration, Linear Algebra, Data Structures and Algorithms, Machine Learning, Information Retrieval, Database Architecture and Management, Project Management, Security
- **Programming Languages:** C, C#, Python, PHP, Javascript, Typescript, SQL, Flutter
- **Developer Tools:** Azure, Wireshark, Nmap, TCPDump, Docker, Active Directory, CentOS, VMWare, Virtual Box, Burp Suite, Node.js, React, Three.js
- **Languages:** English (C2), German (A2), Portuguese (Native)

PROJECTS AND CERTIFICATIONS

- **Certifications:** Google Cybersecurity Certificate, Stable Diffusion Hackathon 2022, Web Security Academy Expert, Azure Fundamentals
- **Projects:** School Desk System Back End Platform (C#), Python Scraping and Machine Learning Text to Speech (Dave Attenborough assistant), Elderly Caregiving Home Back End Platform (PHP, Demola Project)
- **Volunteering Work:** IPFS Camp 2022 (Decentralized Data Storage), ETH Lisbon Hackathon 2021 (Blockchain)