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MARINA HARU MARCOULAKIS

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WORK EXPERIENCE

Software Engineer at XP Investimentos

May 2025 - Present

- Introduced and implemented **PIX Automático** and **PIX Agendado**, enhancing user payment experience;
- Developed internal tools, reducing operational manual tasks and improving monitoring efficiency by **30%**;
- Led migration of **3 critical services**, achieving **99.9% uptime** during transitions;
- Collaborated with cross-functional teams to deliver scalable fintech solutions, contributing to a **15% improvement in transaction checking processing speed**.

Software Engineer at Amazon (Fintech Brazil Business Expansion)

May 2024 - May 2025

- Designed and integrated a new system for internal vending of fiscal data, automating client's requests and **reducing the team's effort**;
- Improved and maintained financial services applications, contributing with more than **8000+ new lines of code** and removing **5000 deprecated lines**, which **optimized service performance**;
- Developed scalable solutions using **AWS cloud services**, optimizing application deployment.

Software Engineer as a Freelancer

January 2022 - April 2024

- Developed a cross-platform mobile application using **React Native** with **Typescript** and **RESTful APIs**, improving application **performance by 25%** and **reducing load times by 30%**;
- Designed and integrated **RESTful APIs** for efficient data communication, optimizing system interactions;
- Created database solutions using **NoSQL** and **SQL**, improving query execution times by up to **40%**, reducing latency

Software Engineer at K2iP Consultoria

May 2021 - December 2021

- Worked on developing a cross-platform mobile application with **React Native** using API/REST;
- Rewrote the code of a **C# .NET** web application using Bootstrap, **jQuery**, Material Design, among other tools;
- Started a project **from scratch**, defining and designing the development using **BDD (Behavior-Driven Development)**

OTHER PROJECTS

Academic Research on Machine Learning in Music Industry Hit Prediction

- Published research on using **AI/Machine Learning** hit song prediction, achieving about **70% accuracy**;
- Collected and modeled over **25,000 music data points** for analysis;
- Developed predictive models and **data-driven algorithms** to forecast song success;

Mobile Expense Tracking App (My Wallet)

- Independently developed the iOS mobile application using **Swift**;
- Followed Apple's UX and UI standards for improved usability and user experience;
- Created efficient code solutions to maintain accuracy in the values.
- Independently published on the **App Store**.

EDUCATION

Bachelor of Computer Science (in progress)

[Universidade Presbiteriana Mackenzie](#)

January 2023 - Currently

- Honorable Mention – **Brazilian Olympiad in Informatics (OBI) 2023** – Senior Level
- Honorable Mention – **XXVIII SBC Programming Marathon 2023** – State Finals
- Teaching Assistant – **Electric and Electronic Circuits 2023** | **Programming and Algorithms 2024**

Digital Game Programming Technician

[Etec Jornalista Roberto Marinho](#)

January 2020 - December 2022

- Conducted a **Workshop About React Fundamentals**
- Honorable Mention – **Brazilian Mathematics Olympiad (OBMEP) 2021** and 2022
- **Top 1 Performance** in the **2020 USP Knowledge Competition (CUCo)**

TECHNICAL SKILLS

Programming Languages/Frameworks:

- Java, JavaScript, TypeScript, Python, C, C++, C#, GoLang, Node.js, React.js, React Native, Swift

Cloud & Databases:

- AWS, Google Cloud, Windows Server, Amazon Redshift, Firebase, MongoDB, MySQL, PostgreSQL, SQLite