

# MARCOULAKIS

Software Engineer  
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## OBJECTIVE

As a software engineer with a passion for creating impactful digital experiences, my goal is to find a position where I can make a meaningful contribution to a dynamic and innovative team, while also continuing to learn and improve my skills. I am excited about the prospect of working with technology, as I believe in the power of technology to make a positive impact on people's lives. I am eager to be part of a supportive and collaborative environment that values both personal and professional growth and where I can continue to develop my skills while making a difference in the world, as well as exchanging experiences and knowledge.

## WORK EXPERIENCE

### **Freelancer**

January 2022 - Present

As a Freelance Software Engineer, I bring a wealth of expertise and value to diverse projects:

- Developing robust end-to-end solutions, seamlessly integrating Node.js for the back end and TypeScript, JavaScript, React Native, and React.js for Front-End and Mobile development. Implemented intuitive user interfaces to enhance user satisfaction and engagement.
- Designed and integrated RESTful APIs for efficient data communication, streamlining system interactions to enhance software performance and reliability.
- Building solutions in NoSQL and SQL databases, optimizing data access. Resulting in faster query execution, reduced latency, and improved system responsiveness for an enhanced user experience.
- Enforced clean code principles for readability, reducing maintenance costs and fostering efficient collaboration, adding lasting client value.

### **Software engineer**

At [K2 Improving Performance Consultoria](#)

May 2021 - December 2021

At K2 Improving Performance Consulting, I:

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

## OTHER PROJECTS

### **Mobile Expense Tracking App (My Wallet)**

[Available Here](#)

I have developed a minimalist and efficient application for personal expense control. In this project, I:

- 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.

### **Teleprompter Mobile App (PrompterCam)**

[Available Here](#)

As a self-motivated and skilled mobile application developer, I created and published an innovative and user-friendly app, PrompterCam. In this project, I:

- Independently developed and published a mobile app for the App Store and Google Play using React Native and Node.js.
- Demonstrated strong problem-solving skills and attention to detail throughout the development process.
- Successfully launched the app and received positive user feedback and reviews.

## Indie Game Design Software Engineer

### Big Day Studios

Soul's Custody: The Witch's Jail and Killer Hat. In this project, I:

- Worked with a team of four colleagues to develop "Souls Custody: The Witch's Jail," a web game based on an original suspense story.
- Translated and adapted the project into English and Portuguese.
- Developed all code using React.js and Node.js and rewrote libraries for better application use.
- Developed "Killer Hat," a cross-platform mobile game with dynamic multiplayer and user registration.
- Hosted and maintained servers on AWS and developed all front-end code in React Native and back-end code in Node.js with TypeScript.

## EDUCATION

### **Bachelor of Computer Science**

#### Universidade Presbiteriana Mackenzie

January 2023 - December 2026

- Honorable Mention – Brazilian Olympiad in Informatics (OBI) 2023 – Senior Level
- Undergraduate Research – Application of AI for Mapping Potential Hits in the Music Industry
- Teaching Assistant – Electric and Electronic Circuits

### **Digital Game Programming Technician**

#### Etec Jornalista Roberto Marinho

January 2020 - December 2022

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

## TECHNICAL SKILLS

### **Programming Languages/Frameworks:**

- JavaScript, Python, Swift, C, Java, GoLang, TypeScript, jQuery, Node.js, C# .NET, Firebase, API REST, NoSQL, SQLite, MySQL, MongoDB, Postgres, Cassandra, bootstrap, Angular, React Native, React.js, CSS3, HTML5

### **Softwares:**

- AWS, Google Cloud, Windows server, Linux, OSX, Figma, Photoshop, WordPress

## SPOKEN LANGUAGES

- **Portuguese:** Native
- **English:** Advanced
- **Japanese:** Basic
- **Spanish:** Basic