

# MARCOS S.

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## Education

### Centro Universitário UniSatc

Brazil

Bachelor of Computer Engineering

2020 – 2024

**Capstone project: Automated Audit Logging Library And Management Platform**

- ProUni Scholarship (100% tuition covered)  
Brazilian Federal Government

### Universidade do Extremo Sul Catarinense

Brazil

Computer Science

2018 – 2020

**Scholarship research: Implicit Data Analysis in the Production of Knowledge in Computer Science: A Bibliometric Study**

- Art. 170 Scholarship (25% tuition covered)  
Santa Catarina State Government

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## Experience

### Lead Software Engineer

Jul. 2021 — Present

InMeta

Remote

TypeScript • Node.js • Vue.js • Vite • Vitest • MongoDB • React Native • Maestro • Rust • Tauri • NoSQL • Amazon Web Services (AWS) • Testing • AI • Leadership

- Spearheaded frontend modernization: upgraded Vue.js 2 → 3, Vuex → Pinia, migrated from Webpack to Vite, and integrated TypeScript, reducing build times by 80% and improving code maintainability
- Led the React Native mobile team (3 engineers), architecting 2 new apps (maintenance + projects systems) and revamping the inspection app, now used by 2,000+ active users
- Redesigned the offline-first data sync system using Realm.js, ensuring reliable inspections in low-connectivity environments and cutting sync failures
- Developed a native image annotation tool with React Native Skia, enabling inspectors to mark up photos/diagrams in-app
- Set up the AWS infrastructure, migrated services from EC2 to ECS, making use of Fargate, Application Load Balancer, Cloudfront, Lambda, SES, S3, and establishing pipelines using Github Actions
- Engineered a Rust-based desktop application with Tauri for secure, offline-capable gate/turnstile access control at construction sites, syncing permissions to cloud when internet is available
  - \* Solved critical 24/7 access challenges by enabling local authentication (via direct hardware integration) and batch cloud syncs
  - \* Ensured compliance with safety regulations by validating worker certifications/training before granting site access
- Pioneered AI integrations: Built an AI template generator that automates inspection workflows, reducing setup time from several hours to a few minutes
- Implemented NLP-driven issue classification for maintenance requests, auto-tagging technical problems with 98% accuracy, streamlining triage

### Systems Programmer

Oct. 2020 — Jul. 2021

Betha Sistemas

Remote

Javascript • Java • Python • Angular.js • Spring Boot • Apache Kafka • Oracle Database • Amazon Web Services (AWS) • SQL • Microservices • Testing

- Developed and maintained public-facing government software solutions, acting as a critical bridge between government services and end-users

- Implemented a bridge API to allow communication between different company products, collaborating with other company divisions
- Wrote a tool in Python for database migration reducing time spent to process data in half and replacing the old migration software

## **Software Engineer**

Dec. 2019 — Oct. 2020

InMeta

*Remote*

*Javascript • Typescript • Node.js • Vue.js • MongoDB • NoSQL • Amazon Web Services (AWS)*

- Led full-stack modernization of legacy inspection software, migrating from Delphi to a Vue.js frontend and Node.js/Typescript API, improving performance, scalability, and maintainability
- Architected a modular, decoupled API with TypeScript, enabling easier future expansions and integrations with third-party tools

## **Software Engineer**

Feb. 2019 — Dec. 2019

WiZED

*Criciúma, SC, Brazil*

*Javascript • Typescript • Node.js • Angular 8 • Jasmine • Cypress • Firebase • NoSQL • Google Cloud Platform (GCP) • Testing*

- First employee, played a pivotal role in the early stages of the company
- Mentored and onboarded 3 engineering interns, establishing development best practices and code review processes
- Refactored and redesigned checkout page, severely improving the user experience (UX)
- Supported high-profile events, processing thousands of tickets daily
- Developed core platform features including:
  - \* Secure ticket transfer system between users
  - \* Dynamic certificate generation for event attendees