Tarsis C. Cruz

Senior Software Developer
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Summary

Senior Software Engineer with 11+ years of experience in full-stack software development, specializing in JavaScript, TypeScript, and the Node.js ecosystem. Expertise in React, Next.js, NestJS and React Native with a strong background in microservices, messaging systems, and databases like MongoDB, PostgreSQL, and MySQL. Improved application performance by 70%, optimized SEO for increased organic traffic, and processed large data volumes for complex reporting.

Skills

React • Node.js • SEO • Cloud Architecture • Containers • Test driven development • Microservices • Database Development

Work Experience

Senior Software Engineer - Frontend
Apr 2022 – Feb 2025 • 2 yrs 10 mos

Avenue Code • Full-time

Remote

Technologies: React • Langchain • Cloud Architecture • Microservices • Node.js

- Optimized data loading for a React datatable component, reducing user interaction latency by 70% and significantly improving the overall user experience.
- Automated the generation of clients, type-signatures, integration tests, and endpoint mocks for a React frontend application, increasing delivery speed by 40%, reducing human errors, and standardizing code across the project.
- Conducted technical interviews to evaluate candidates' coding skills, problem-solving abilities, and cultural fit, ensuring the hiring of top-tier talent.
- Developed a HackerRank coding challenge to assess algorithm knowledge, data structures, React concepts, JavaScript fundamentals, and complex object manipulation, improving candidate screening accuracy and optimizing hiring outcomes for roles with these requirements.

Senior Software Engineer - Backend
Oct 2021 – Feb 2022 • 4 mos

Box Delivery • Full-time

Remote

Technologies: Laravel • MongoDB • Domain-Driven Design • Test Design Techniques • Design Pattern

- Developed a real-time package tracking feature used by hundreds of users, significantly enhancing user satisfaction and experience within the app. This functionality streamlined delivery updates and improved overall engagement

Senior Software Engineer - Backend
Feb 2020 – Dec 2020 • 10 mos

GSW Software • Full-time

Ribeirão Preto, Brazil

Technologies: PHP • Vue.js • Node.js • Oracle SQL • Subversion

- Led the modernization of the company's legacy main system, enhancing its performance, scalability, and maintainability. This upgrade ensured the system met current business needs and supported future growth.
- Proposed and implemented a Design System that streamlined project organization and maintenance, improving consistency, efficiency, and scalability across the development process.

Senior Software Engineer - Full-Stack

Jun 2017 – Feb 2020 • 2 yrs 8 mos

MazzaFC Systems & Outsourcing • Full-time

Franca, Brazil

Technologies: Laravel • MySQL • AWS • React • NestJS

- Optimized the generation of a critical report involving complex calculations and extensive data processing, resolving timeout issues that previously prevented its execution. Implemented improvements that ensured report availability and efficiency, enabling error-free requests and meeting strategic business demands.
- Configured and maintained the production server for a system used by hundreds of users across a nationwide franchise in Brazil. Ensured high availability, performance, and reliability to support seamless operations for all franchise locations.
- Improved the development workflow by utilizing Git Flow within the team.

Projects

iOS/Android Mobile Application

Jan 2022 – present

1 coworker

Technologies: React Native • NestJS • IoT • MongoDB • MQTT

- Developed a real-time weather station monitoring feature tailored for water sports enthusiasts, providing accurate and timely data to enhance safety and decision-making during activities.
- Integrated MQTT protocol to enhance data efficiency and utilization, enabling seamless communication and real-time data processing for improved system performance.

News Website

Jan 2017 – Jan 2018 • 1 yr

1 coworker

Technologies: Laravel • MySQL • Docker • React • SEO

- Optimized website SEO to improve search engine rankings, driving increased organic traffic and enhancing online visibility.

Education

Technologist's degree: Software Engineering

Jan 2014 – Dec 2018 • 4 yrs 11 mos

Fatec - Dr. Thomaz Novelino Technology University

Franca, Brazil

- **Relevant Coursework**: Operating Systems, Algorithms, Data Structures, Software Engineering, Object Oriented Programming, Linear Programming, Database, Information Security, Computer Networks, Artificial Intelligence, Team Management, Project Management & Ethics and Professional Responsibility.

Certifications & Awards

TDD, DDD, Clean Architecture and SOLID - Udemy   Mar 2022

SEO Specialization - Felipe Banzo   May 2015

Languages

Portuguese (Native or bilingual proficiency)

English (Full professional proficiency)

Spanish (Elementary proficiency)