

Carlos Eduardo Nass

+5547992676420 · Joinville, SC 89223020 · cadunass0@gmail.com ·
www.linkedin.com/in/cadunass

Software Engineer

Web Development | Rust | Typescript

Security-conscious and performance-driven Software Engineer with over 6 years of experience in full-stack web development, specializing in the design, development, and optimization of secure, scalable systems across the entire software development lifecycle. Ability to architect robust solutions, manage projects from start to production, implement comprehensive security best practices, and lead the development of complex applications. Expertise spans frontend and backend development (including Rust, Typescript, NextJS, React), API development, software security principles, repository management, CI/CD pipeline implementation.

WORK EXPERIENCE

Alore - Remote

04/2022 - PRESENT

Software Engineer

Core Engineer instrumental in the rapid development and technical direction of a startup, building and delivering advanced projects across Web3 and AI from the ground up.

- Built the architecture for various projects, ensuring scalability and maintainability.
- Designed and implemented a complete and secure HTTP authentication workflow in Rust.
- Continuous implementation of new features, tests, bug fixes, and code reviews across a diverse project portfolio.
- Overseeing other developers, providing guidance and delegating tasks.
- Implementation of numerous CI/CD workflows for various projects, ensuring efficient and automated software delivery.
- Led a team to successfully develop and deliver a decentralized application (dApp).
- Led the development of a cryptographically secure and performant Wallet-as-a-Service API in Rust, along with a client built in NextJS using Typescript.
- Served as a core member in the development of a generative AI tool for law firms, contributing to its architecture and implementation.
- Successfully migrated a Rust monolithic server project to a monorepo structure, resulting in a significant performance increase.

Taric - Joinville, SC

09/2021 - 04/2022

Full Stack Developer

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Core and experienced member of the team, dedicated to developing an electronic medical record system.

- Full stack development and expansion of the system, focusing in Java and Vue.js.
- Continuous implementation of new features, tests, bug fixes and code reviews.
- Contributed to the main company framework system used across various projects within the company.
- Mentored a couple of interns, providing guidance and feedback.
- Voluntarily participated in developer-organized technology knowledge-sharing meetings.

Taric - Joinville, SC

06/2021 - 09/2021

Programming Analyst

Continued involvement with a rapidly expanding electronic medical record system, this company spun off from Zitrus specifically to manage this critical project.

- Played a key role in the continued development and enhancement of the electronic medical record system, focusing on backend logic and database interactions using Java, Spring, and SQL.
- Implemented new features and system improvements, contributing to the expansion and stability of a rapidly growing healthcare platform used by clinics.
- Contributed to the system's frontend development using Vue.js, ensuring seamless integration with backend services and improving user experience.
- Actively participated in the software development lifecycle, including coding, testing, and code review, specifically for features within the EMR system.

Zitrus - Joinville, SC

10/2020 - 06/2021

Programming Analyst

Focused initially on frontend development, while proactively expanding skills and contributing to the backend codebase.

- Played a key role in the initial frontend development of the electronic medical record system using Vue.js, building core user interface components and features.
- Contributed to the architecture and implementation of frontend solutions for the growing EMR platform, enhancing usability and functionality for health clinics.
- Proactively learned and applied knowledge of Java, Spring, and SQL to contribute to the backend of the application, gaining practical experience with enterprise-level backend development.
- Assisted in resolving bugs and implementing minor features across both frontend and backend components of the EMR system.

Zitrus - Joinville, SC

11/2019 - 10/2020

Web Development Intern

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Focused on quickly integrating into the company's technology stack, primarily Vue.js.

- Quickly integrated into the team and rapidly acquired proficiency in the company's technology stack, with a primary focus on Vue.js.
- Initiated and significantly contributed to the development of the Minimum Viable Product (MVP) for the frontend of a critical electronic medical record system.
- Proactively pursued learning opportunities for other key project technologies, including Java, Spring, and SQL, gaining foundational knowledge that supported broader contributions.
- Successfully transitioned understanding of learned technologies into practical application on the EMR project.
- Demonstrated strong initiative and technical aptitude, which directly contributed to being offered a full-time Programming Analyst position upon completion of the internship.

Dalmark - *Joinville, SC*

02/2019 - 11/2019

Web Development Intern

Introduced to professional web development practices and technologies, gaining hands-on experience with React, Node.js, and Groovy through project-based learning and collaborative development.

- Gained foundational experience in professional web development environments, working with technologies including React, Node.js, and Groovy.
- Collaborated on the development of a functional clock-in/clock-out web page for employees, contributing to both frontend and backend aspects.
- Implemented features utilizing a geolocation API to verify employee proximity for clocking purposes within the web application.
- Successfully applied learned concepts and technologies to contribute to a real-world internal company tool.
- Participated actively in team development processes, including code contribution and testing for the project.

EDUCATION

Universidade do Estado de Santa Catarina - *Joinville, SC*

Bachelor's – Computer Science, October 2020

PROFESSIONAL SKILLS

Web Development, Rust, Typescript, React, Web3, NextJS, Tailwindcss, Software Development Life Cycle, Cypress, Docker, REST API, Blockchain, Javascript, HTML, CSS, Python, SQL, NodeJS, DevOps, Git

LANGUAGE COMPETENCIES

- Portuguese: native language
- English: full professional