

## CARLOS EDUARDO NASS

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### PROFESSIONAL SUMMARY

*Security-focused Software Engineer with over 6 years of experience, skilled in full-stack web development, designing and optimizing secure, scalable systems. Expert in Rust, Typescript, NextJS, NodeJS, React, API development, and implementing security and devops best practices across the software lifecycle.*

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### CORE SKILLS

**Software Engineering & Architecture:** Software Engineer, Software Architecture, Object-Oriented Programming (OOP), Code Review, Debugging, Technical Documentation, Agile Methodologies, Software Development Life Cycle

**Web & Application Development:** Rust, React, Next.js, Vue.js, Typescript, Javascript, HTML, CSS, Tailwind CSS, Node.js, Python, Java, NestJS, API Development, REST API, Full-Stack Web Development, Performance Optimization, SEO

**DevOps & Deployment:** DevOps Practices, DevOps, CI/CD Pipelines, Continuous Integration (CI), Continuous Development (CD), Docker, Git, Version Control, GCP (Google Cloud Platform)

**Database & Data Management:** SQL, PostgreSQL, NoSQL, Database Management

**Emerging Technologies & Support:** Blockchain, Web3, Cypress, Technical Support, Microservices Architecture

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### WORK EXPERIENCE

#### **Alore | 2022–Present**

##### *Software Engineer*

- Migrated a Rust monolithic server to a modular monorepo, improving build times by 10% and developer productivity by 150%
- Optimized NodeJS backend operations by migrating a high-traffic Express API to NestJS/Fastify stack, resulting in a 4x increase in requests per second (RPS) and an 80% reduction in latency
- Developed a code review checklist adopted team-wide, improving code quality and reducing bugs by 15%
- Architected scalable and maintainable solutions for multiple projects
- Developed a Generative AI tool designed for law firms, increasing customers performance by 300%
- Designed and implemented secure HTTP authentication workflows in Rust
- Implemented CI/CD workflows for various projects, ensuring efficient automated delivery
- Saved developer time by maintaining working builds and passing tests through CI/CD automation
- Led a team to deliver a decentralized application (dApp) within four months
- Led development of a cryptographically secure Wallet-as-a-Service API in Rust
- Oversaw other developers, delegated tasks, and provided technical guidance to ensure project velocity, reporting directly to the CEO
- Used Grafana dashboards, GCP logs and flamegraph analysis to monitor logs and optimize critical API endpoints
- Delivered 10+ static Next.js/React/Typescript/Tailwind CSS landing pages, achieving near-100 Lighthouse performance scores and increasing lead capture by 15%

#### **Taric | 2021–2022**

##### *Full Stack Developer | 2021–2022*

- Developed an electronic medical record system serving over 96 hospitals

- Implemented Java unit testing, reducing deployment errors by 50%
- Mentored interns who were later promoted to full-time developers
- Expanded the system using Java and Vue.js for full stack development
- Contributed to the main company framework used across projects
- Delivered new features, tests, bug fixes, and code reviews consistently
- Participated in developer-led technology knowledge-sharing meetings

#### *Programming Analyst | 2021*

- Enhanced the EMR system backend using Java, Spring, and SQL for clinics
- Delivered new features and improvements to expand the healthcare platform
- Contributed to frontend development with Vue.js for seamless backend integration
- Supported the spin-off company managing the expanding EMR project
- Participated in coding, testing, and code review for EMR system features

#### **Zitrus | 2019–2021**

##### *Programming Analyst | 2020–2021*

- Developed core frontend components for the EMR system using Vue.js
- Improved usability and functionality of the EMR platform for health clinics
- Applied Java, Spring, and SQL knowledge to contribute to backend development

##### *Web Development Intern | 2019–2020*

- Accelerated integration by completing onboarding and tests within two days, beginning contribution to company projects within the first week
- Engineered the MVP frontend for a critical EMR system (PEP), collaborating on core feature implementation
- Demonstrated initiative leading to a full-time Programming Analyst offer

#### **Dalmark | 2019**

##### *Web Development Intern*

- Implemented geolocation API features to verify employee proximity for clocking purposes
- Built a functional clock-in/out web page for employees, implementing features on both the frontend and backend

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## **PROJECTS**

### **Personal Portfolio Website**

Designed and developed an open source personal portfolio website using Next.js, Typescript, React, and Tailwind CSS

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## **EDUCATION**

### **Universidade do Estado de Santa Catarina, Joinville, SC, Brazil | 2020**

Bachelor of Science in Computer Science

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## **CERTIFICATIONS**

Preparing for Google Professional Cloud Architect Certification (Google Cloud Platform, In Progress), Multiple Google Cloud Digital Badges (Google Cloud Platform)