

Renan Taizo Nakashima

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Summary

Results-driven Software Engineer with over 5 years of experience excelling in the development of innovative technology solutions. Proven expertise includes telemetry projects, web dashboards, and embedded software. Adept in a diverse tech stack, demonstrating leadership as a tech lead for two years. Committed to leveraging technology for precision and productivity. Open to new challenges and collaborations, with a passion for making a meaningful impact in both technology and entrepreneurship.

Skills

Project Management: Agile, SCRUM, Technical Writing, Documentation, Project Scope Analysis, Requirements Gathering

Programming Languages: C/C++, C#, Python, Kotlin, Javascript, Typescript, Ruby, HTML, CSS

Frameworks: Angular, React, React Native, Flutter, Ruby on Rails

Operating Systems: Linux, MacOS

Cloud Providers: IBM Cloud, Azure, AWS

Work Experience

Full Stack Software Engineer

Vintality - Contract, Remote, Canada

Feb 2023 - Aug 2023

- Developed front & back end for a mobile (Android & iOS) app for an irrigation management system for vineyards.
- Implemented an automatic weather alerts notification system based on field location.

Tech Lead: Ag Application Management & Telematics

Agres Sistemas Eletrônicos - Employee, Remote, Brazil

Mar 2021 - Sept 2023

- Oversaw technical aspects of projects, made architectural decisions, and managed two distinct teams.
- Coordinated the development of an MVP for a telematics device in just 3 months.
- Improved code coverage from 10% to 70% with minimal impact on delivery time.
- Achieved OTD of 85% through the implementation of agile best practices and continuous improvement.

Senior Software Engineer: Ag Machine Terminal

Agres Sistemas Eletrônicos - Employee, Curitiba, Brazil

Apr 2019 - Mar 2021

- Designed, developed, tested, and integrated bare-metal embedded software for ECUs and embedded systems.
- Designed and developed a versatile internationalization feature for a memory-constrained device.
- Designed a stack-dump library.
- Significantly improved auto-steering accuracy by fine-tuning control parameters.

Education

Master's Degree in Electrical and Computer Engineering

Universidade Tecnológica Federal do Paraná, Curitiba, Brazil

Mar 2018 - Dec 2020

- Developed an innovative Auction-Based Algorithm for Real-Time Task Allocation in Multi-Robot Systems.
- Published more than 4 papers, 2 of them in prestigious Journals.
- Presented my latest results at Congresso Brasileiro de Automática - CBA 2018.

Bachelor's Degree in Computer Engineering

Universidade Tecnológica Federal do Paraná, Curitiba, Brazil

Mar 2010 - Sep 2017

- Developed a low-cost IoT proof-of-concept for House Automation.
- Developed a low-cost research platform for Multi-Robot Systems.

Languages

- English (C1/C2)
- Brazilian Portuguese (Native)
- German (Basic)