RODRIGO MATAGAWA

Senior Backend Engineer

SUMMARY

Software Engineer with over **8 years of experience** specializing in **backend development** with **Node.js**. Experienced at building **scalable serverless applications** using **AWS** solutions and implementing robust, event-driven architectures with services like **AWS SQS** and **SNS**. Skilled in both **NoSQL** (MongoDB, DynamoDB, Redis) and **SQL** databases (MySQL, SQL Server), delivering performant and reliable solutions.

Expertise in:

- **Cloud Infrastructure**: AWS EC2, CloudFormation, Serverless framework, Docker, and cloud-native solutions.
- **CI/CD and DevOps**: AWS CodePipeline/CodeBuild and automated deployment strategies.
- **API Development**: Design and implementation of RESTful and GraphQL APIs with a strong focus on clean, maintainable code.
- **Code Quality and Standards**: Follower of Clean Code principles and SOLID design patterns, using tools like ESLint and Prettier.
- **Agile Development**: Proficient in Scrum and Kanban methodologies for iterative and efficient delivery.

Passionate about solving complex problems and driving continuous growth, I embrace new technologies to deliver impactful solutions with innovation and precision.

EXPERIENCE

Software Engineer Senior
07/2024 - Present

Code7
Remote

- Leading the design and development of scalable backend systems using Node.js, TypeScript and AWS to support core backend applications with high performance and reliability.
- Architecting cloud-native solutions with Serverless Framework, AWS Lambda, DynamoDB and SQS, improving uptime, reducing operational costs and enabling fault-tolerant communication at scale.
- Implemented Dead Letter Queues (DLQ) and structured retry mechanisms to ensure 100% message delivery and seamless recovery from failures.
- Mentoring and supporting junior engineers by promoting clean code, SOLID principles and best practices across the codebase.
- Continuously identifying and eliminating performance bottlenecks through observability, code profiling and system monitoring.
- Collaborating with cross-functional teams to align technical delivery with business goals, streamline deployment workflows and enforce CI/CD pipelines with tools like CodePipeline, Jest, ESLint and Prettier.

Software Engineer
03/2020 - 06/2024

Code7
Remote

- Migrated and modernized legacy backend systems to AWS using Serverless Framework, Lambda, DynamoDB and CloudWatch, improving scalability and increasing service uptime.
- Developed microservices in Node.js and TypeScript, focusing on performance, observability and maintainability across distributed systems.
- Re-architected a legacy monolithic messaging system written in C#, redesigning it as a set of microservices in Node.js to improve performance, scalability and maintainability. Enabled reliable delivery of over 1M+ SMS per day.
- Integrated third-party APIs (e.g., Messaging Brokers for WhatsApp, SMS, and Email), enabling seamless communication and enhanced system functionality.
- Recreated and optimized stored procedures in SQL Server, resulting in improved reporting performance and faster query execution.

DETAILS

ADDRESS
Brazil, São Paulo - SP

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EMAIL
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NATIONALITY
Brazilian

LANGUAGES

Portuguese	C2
English	C1

LINKS

in LinkedIn
[rodrigo-matagawa](#)

GitHub
[@devmatsu](#)

Personal Website
[devmatsu.com](#)

EDUCATION

Bachelor's degree, Computer Science

Centro Universitário FMU | FIAM-FAAM

01/2014 - 12/2018

Certificate, Computer Graphics

Centro Universitário FMU | FIAM-FAAM

01/2014 - 12/2015

Certificate, Web Design

CENLEP

01/2013 - 12/2013

EXPERIENCE

Software Engineer Junior   03/2019 - 02/2020
Code7   Brazil, São Paulo

- Developed and maintained billing, sales and FAQ chatbots using Node.js and NLP tools, improving customer engagement and reducing manual support needs.
- Trained and integrated AI models to improve chatbot accuracy in natural language understanding (NLU) and response quality.
- Implemented structured logging in Node.js services to reduce debugging time and improve system reliability.
- Enhanced Power BI dashboards by optimizing SQL queries and building actionable data visualizations for clearer insights and improved analytical decision-making.

Software Engineer Junior   07/2018 - 02/2019
Total Quality Systems   Brazil, São Paulo

- Automated mainframe scripts and internal tools to streamline daily workflows, reducing manual efforts and improving process reliability.
- Enhanced CRM system features built with VB.NET, optimizing performance and usability.
- Collaborated on chatbot development using JavaScript and integrated AI models with Microsoft LUIS to improve natural language understanding.
- Performed quality assurance testing on CRM and chatbot products to ensure alignment with customer homologation and delivery standards.
- Analyzed application logs and supported incident resolution, contributing to faster troubleshooting and improved operational stability.

Software Engineer Intern   02/2017 - 06/2018
Total Quality Systems   Brazil, São Paulo

- Created internal manuals and handbooks to support onboarding and improve daily operational workflows across the engineering team.
- Conducted quality testing for CRM systems developed in VB.NET, ensuring successful delivery aligned with customer homologation requirements.
- Maintained and tested browser-based WhatsApp chatbot extensions written in JavaScript, supporting frontend behavior and QA validations.
- Assisted in documenting technical processes and operational improvements, contributing to product quality and user satisfaction.

COURSES

curso.dev
01/2024 - Present

Technologies: JavaScript, React, Next.js, Unit Testing, Integration Testing.

EW Academy (JavaScript Expert)
06/2023 - 12/2023

Technologies: Advanced JavaScript, Node.js, Design Patterns, Unit Testing, Automation.

Rocketseat (Ignite)
06/2021 - 06/2022

Technologies: JavaScript, Node.js, React, TypeScript, API Development, Full-Stack Concepts.