# RODRIGO MATAGAWA

Senior Backend Engineer

## SUMMARY

**Software Engineer** with over **5 years of experience** specializing in **backend development** with **Node.js**. Adept 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 development and architecture of scalable backend systems to support mission-critical applications, ensuring high performance and reliability.
- Driving technical improvements by identifying bottlenecks, implementing performance optimizations, and ensuring code maintainability across projects.
- Collaborating with cross-functional teams to streamline deployments, ensuring solutions meet business goals and technical requirements.
- Designing and implementing cloud-native solutions using AWS services (Serverless, Lambda, DynamoDB) to further optimize infrastructure, improve uptime, and reduce operational costs.
- Enhancing system reliability by implementing message queuing mechanisms (e.g., SQS) to guarantee 100% message delivery and ensure fault-tolerant communication workflows at scale. Implemented Dead Letter Queues (DLQ) to handle message failures, ensuring failed messages are logged and retried efficiently for seamless recovery.
- Mentoring and guiding junior engineers, fostering a culture of clean code, SOLID principles, and best development practices.

### Software Engineer
03/2020 - 06/2024

**Code7**
Remote

- Migrated and modernized a legacy system to a cloud environment using AWS services (Serverless, Lambda, DynamoDB), improving scalability and increasing service uptime.
- Integrated third-party APIs (e.g., Messaging Brokers for WhatsApp, SMS, and Email), enabling seamless communication and enhanced system functionality.
- Implemented Elasticsearch Metrics Service, optimizing data search performance and enhancing system monitoring capabilities in existing projects.
- Recreated and optimized stored procedures, resulting in improved reporting performance and faster query execution.
- Developed a high-throughput solution capable of sending 1M+ SMS efficiently, eliminating bottlenecks and ensuring reliable message delivery.

### Software Engineer Junior
03/2019 - 02/2020

**Code7**
Brazil, São Paulo

- Developed and maintained billing, sales, and FAQ chatbots, improving customer engagement and streamlining communication workflows.
- Integrated and trained AI models for chatbot systems, enhancing accuracy in natural language understanding and response efficiency.
- Implemented structured logging mechanisms for chatbots to streamline bug tracking and reduce debugging time, improving system reliability.
- Optimized Power BI reports by developing advanced queries and data visualizations, resulting in clearer insights and improved analytical decision-making.

## DETAILS

### ADDRESS
Brazil, São Paulo - SP

### PHONE
+55 11 946108825

### EMAIL
rodrigo.matagawa@gmail.com

### NATIONALITY
Brazilian

## LANGUAGES

| | |
|---|---|
| Portuguese | C2 |
| English | C1 |

## LINKS

- **LinkedIn**
  rodrigo-matagawa
- **Portfolio**
  devmatsu.com
- **GitHub**
  @devmatsu

## 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

## COURSES

curso.dev
01/2024 - Present

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

## EXPERIENCE

### Software Engineer Junior
07/2018 - 02/2019

Total Quality Systems
Brazil, São Paulo

- Automated mainframe scripts to streamline processes, improving solution usability and reducing manual efforts.
- Enhanced CRM functionalities by optimizing internal processes to increase tool efficiency.
- Collaborated with the chatbot development team to integrate AI solutions (using Microsoft LUIS) for improved performance and natural language understanding.
- Conducted quality assurance testing on products such as CRM systems and chatbots, ensuring delivery met customer requirements and homologated standards.
- Assisted with log analysis and provided solutions for operational issues, contributing to team problem-solving efforts.

### Software Engineer Intern
02/2017 - 06/2018

Total Quality Systems
Brazil, São Paulo

- Created comprehensive manuals and handbooks for team members to improve daily task efficiency and operational workflows.
- Performed quality testing for key products, including CRM systems and chatbots, ensuring successful delivery that met customer homologation standards.
- Supported the engineering team with technical documentation, testing, and operational improvements to strengthen product quality and user satisfaction.

## COURSES

### 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.