

# Murillo Marques Guandalini dos Santos

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## About me

Backend Developer with one year of experience in developing and maintaining scalable and robust REST APIs using Java, Spring Boot, and AWS. Certified Cloud Practitioner with a focus on agile and effective solutions. Successfully integrated AWS services to enhance scalability and reduced costs, and improved performance by 80% using Redis and Kafka. Eager to leverage backend development skills to contribute as a Java Engineer.

## Knowledge

Advanced knowledge in Java for building APIs with Spring Boot, with experience in AWS Cloud (Lambda, S3, EC2, SQS, SNS, DynamoDB, CloudWatch, API Gateway, among others).

Familiar with best practices, infrastructure, and automated/integration testing. Microservices, TDD, SOLID, DRY, KISS, Clean Code, SAGA, Circuit Breaker, Docker, Kubernetes, JUnit 5, TestContainers, Mockito, and REST Assured.

Experience with messaging systems (Kafka and RabbitMQ).

Experience with CI/CD pipelines using Jenkins and GitHub Actions

Knowledge of relational databases (MySQL, PostgreSQL) and non-relational databases (DynamoDB, MongoDB, Redis).

English (C1 - Advanced).

## Experience

### Freelancer – Java Backend Developer (Jun/2024 - Now)

- Developed REST APIs focusing on security, performance, and microservices, enhancing system reliability
- Integrated AWS services prioritizing scalability and cost-efficiency, optimizing resource usage
- Conducted automated and integration testing using Mockito, TestContainers, and JUnit, ensuring software quality
- Utilized Redis and Kafka for in-memory storage, significantly boosting performance and reducing latency
- Monitored systems with Prometheus and Grafana, and documented APIs with Swagger, improving system transparency and maintenance

- Containerized applications using Docker and orchestrated them with Kubernetes, improving deployment efficiency and scalability

## **Education**

**Technology Degree-** Analysis and System Development – **UNG** (Feb/2024 - Jul/2026)