Murillo Marques Guandalini dos Santos

+55 11 995147830 | murillomarques2001@gmail.com | linkedin.com/in/murillomsantos/ | github.com/MurilloMarquesSantos

Objective

Java Backend Developer

Experience

Freelancer (Jun 2024 – Moment)

Credit Analysis and Approval System

Stack: Java, Spring Boot, OAuth2, JWT, JUnit 5, Mockito, TestContainers, REST Assured, RabbitMQ, AWS S3, JavaMail, WebFlux, Resilience4j, OpenAPI, Prometheus, Grafana, Docker

- Developed a complete system with 5 independent microservices, using a 100% stateless architecture, custom OAuth2 authentication, and Google social login.
- Simulated the generation of 100+ PDF receipts, stored in AWS S3, with temporary access links (10 min expiration) sent via JavaMail.
- Designed and implemented business rules such as account validation via expirable link and 1 proposal per user every 24 hours.
- Applied Resilience4j with Circuit Breaker and Fallback mechanisms to ensure system resilience.
- Implemented observability with Prometheus and Grafana, API documentation using OpenAPI, and custom security filters.
- Wrote 244 automated tests using JUnit, Mockito, TestContainers, WireMock, and REST Assured, achieving 100% logic and integration coverage.

User Registration and Email Notification

Stack: Java, Spring Boot, AWS SQS, SNS, JavaMail.

- Built a microservices architecture with asynchronous communication.
- Integrated AWS SNS to publish user creation events and SQS consumers to trigger the email notification service.
- Delivered a decoupled, scalable, and resilient solution for user onboarding and notifications.

Education

Systems Analysis and Development – UNG
February 2024 – July 2026

Skills

- **Languages & Frameworks:** Java 8/11+, Spring Boot, Spring Security, Spring JPA, Hibernate, WebFlux
- **Architecture & Best Practices:** Microservices, REST API, OAuth2, JWT, TDD, SOLID, Clean Code, SAGA, Circuit Breaker
- **Testing & Quality:** JUnit 5, Mockito, TestContainers, WireMock, REST Assured
- **Cloud & DevOps:** AWS (S3, EC2, Lambda, RDS, DynamoDB, SNS, SQS, API Gateway, CloudWatch), Docker, DockerHub, Kubernetes, Git, GitHub, Spring Cloud
- **Databases:** MySQL, MongoDB, PostgreSQL, SQL Server
- **Messaging:** RabbitMQ, Kafka
- **Monitoring & Observability:** Prometheus, Grafana, Swagger
- **Agile Methodologies:** Scrum

Languages

- Portuguese: Native
- English: C1 (Advanced)

Certifications

- C1 Advanced English Level – EF SET
- AWS Cloud Practitioner - Amazon
- Spring Boot OAuth2 & AWS Deployment – Udemy