

GRAZIELLE DE CAMPOS ANAIA

Backend Software Engineer

grazielle@grazielleanaia.com | <https://grazielleanaia.com> | <https://linkedin.com/in/grazielle-anaia>

CAREER SUMMARY

Backend Software Engineer specializing in Java, Spring Boot, microservices architecture, and event-driven systems. Experienced in designing and developing scalable REST APIs, distributed applications, and cloud-native services using Spring Cloud, Kafka, Docker, and AWS. Background in problem-solving, system reliability, and software testing, with hands-on experience building production-ready applications and CI/CD pipelines. Transitioned from a chemistry scientific research career into software engineering, bringing analytical thinking and a quality-driven approach to software development.

EXPERTISE

Backend development | Microservices | Event-Driven Architecture | REST API Design | Database Design | CI/CD Pipelines | Distributed Systems | Docker & Containerization | Software Testing & Automation | System Integration

TECHNICAL SKILLS

Java | Backend Frameworks (Spring Boot, Spring Security, Spring Cloud, Spring Data JPA, Hibernate) | Messaging (Kafka, RabbitMQ) | Databases (PostgreSQL, MySQL, MongoDB, Redis) | DevOps (Docker, Docker Compose, GitHub Actions) | API & Documentation (Rest APIs, Swagger/OpenAPI) | Testing (JUnit5, Mockito, Integration Testing, Testcontainers) | Version Control (GitHub)

PROFESSIONAL EXPERIENCE

JAVA BACKEND DEVELOPER | Self-Directed Professional Development

Jul 2024 – Present

- Designed and developed scalable backend applications using Java and Spring Boot.
- Built microservices-based systems following RESTful architecture principles.
- Implemented OAuth2/JWT authentication, rate limiting, circuit breakers, and event-driven communication.
- Implemented JWT authentication and authorization using Spring Security.
- Developed data access layers using Spring Data JPA and Hibernate.
- Containerized applications using Docker and Docker Compose.
- Integrated Kafka messaging for asynchronous communication between services.
- Configured Eureka service discovery, centralized configuration, and API gateways using Spring Cloud.
- Built CI/CD pipelines with GitHub Actions for automated testing and deployment.
 - Scheduling Task Management System [<https://github.com/GrazielleAnaia/schedulingtask-app.git>]
 - Fintech Payment Microservices [<https://github.com/GrazielleAnaia/fintech.git>]

TECHNICAL PROJECTS

CLOUD-NATIVE TASK SCHEDULING PLATFORM | Self-Directed Professional Development

Technical Stack: Java, Spring Boot, Spring Cloud, Keycloak, Kafka, Redis, PostgreSQL, MongoDB, Docker Compose, GitHub Actions, JUnit 5, Testcontainers

- Designed and developed a cloud-native task scheduling platform composed of 6 independently deployable microservices supporting customer registration, profile management, task scheduling, and asynchronous notification processing.
- Delivered secure customer and administrator workflows through OAuth2/JWT authentication, API Gateway route protection, service discovery, centralized configuration, and database-per-service design.
- Built 25+ RESTful API endpoints with customer and administrator access controls, leveraging a database-per-service architecture with PostgreSQL and MongoDB to ensure service autonomy and scalability.
- Integrated Kafka-based asynchronous messaging for task notification processing
- Developed automated CI workflows using GitHub Actions and implemented integration testing with Testcontainers, Redis containers, enabling reproducible local development and continuous validation of distributed system components.

GitHub: <https://github.com/GrazielleAnaia/schedulingtask-app.git>

EDUCATION

DOCTORAL'S DEGREE | Analytical Chemistry | University of Sao Paulo - Brazil

2009 – 2015

MASTER'S DEGREE | Analytical Chemistry | University of Sao Paulo - Brazil

2005 – 2008

BACHELOR'S DEGREE | Chemistry | Sao Paulo State University - Brazil

2001 – 2005