

RAÚL RODRÍGUEZ MESÍA

Software Engineer | Java Backend & DevOps Developer

Tumbes, Peru (Available for International Remote Roles)

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 Portafolio: hraulrodriguezmesia-blip.github.io/

Preferred Contract Type: Freelance / B2B / Independent Contractor (International Electronic Invoicing)

Time Zone Flexibility: Fully available to shift working hours to align with European/Madrid business hours (CET/CEST)

PROFESSIONAL SUMMARY

Software Engineer with over 5 years of experience specializing in the **Java and Spring Boot** ecosystem to build scalable microservices and robust RESTful APIs. Adept at driving architectural excellence through Clean Code, SOLID principles, and distributed system design. Demonstrates strong operational maturity in resilience engineering and **DevOps practices**, with proven capability in container orchestration, CI/CD pipeline automation, and advanced observability instrumentation in high-availability production environments.

TECHNICAL STACK

- **Backend:** Java 8, 11, and 17, Spring Boot 3.x, Spring MVC, Spring Security (OAuth2/JWT), JPA / Hibernate, Microservices, Redis (Distributed Caching).
- **DevOps & Cloud:** Docker, Docker Compose, GitHub Actions (CI/CD), Git, AWS Serverless Ecosystem (S3, Lambda, DynamoDB, API Gateway, EC2, ECS/Fargate).
- **Observability & Quality:** Spring Boot Actuator, Prometheus, Grafana (JVM real-time metrics monitoring & instrumentation), JUnit 5, Mockito.
- **Databases:** PostgreSQL, MySQL, Oracle SQL (Data modeling, complex query optimization, and persistence management).
- **Tools & API:** OpenAPI / Swagger (API Contracts), Postman, Jira, Confluence.

FEATURED ENGINEERING PROJECTS (GITHUB PORTFOLIO)

Source code and cloud infrastructure setups are fully accessible via the links in the header.

- **Eros Code Analysis Agent (Agents League Hackathon 2026):** Designed and developed an autonomous AI Agent for static and dynamic source code evaluation. Implemented a deterministic 5-stage pipeline running on Python, Microsoft Foundry IQ, and Azure Agent Server to automatically assess code quality, runtime efficiency, and OWASP security vulnerabilities.
 - **Resilient Feature Flag Manager (Spring Boot & Redis):** Architected a production-ready, fault-tolerant enterprise flag service. Implemented Role-Based Access Control (RBAC) with JWT token rotation, minimized latency via Redis caching layer, integrated real-time state synchronization using Server-Sent Events (SSE), and deployed an observability stack (Actuator/Prometheus/Grafana) orchestrated via Docker Compose.
 - **AWS Cost Optimizer ML:** Built an analytical solution leveraging a Machine Learning model (RandomForest) exposed through a Spring Boot REST API to predict, simulate, and optimize operational cloud infrastructure expenses inside AWS.
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PROFESSIONAL EXPERIENCE

Arequipa Expreso Marvisur EIRL | Peru (Remote)

Java Backend Developer | **2020 – 2025**

- **Core Logic:** Designed, developed, and deployed critical microservices and robust RESTful APIs using Java and Spring Boot to power the company's core logistics transactional workflow.
- **Data Optimization:** Refactored complex SQL queries in relational databases and enhanced backend internal processing algorithms, significantly reducing system response latency in production environments.
- **Environment Support:** Managed artifact builds and led Tier-3 technical support across high-availability testing, staging, and production environments (SIT, UAT, PROD).
- **Governance:** Authored comprehensive technical documentation under OpenAPI/Swagger standards to guarantee codebase maintainability and streamline integrations with distributed frontend teams.

CJ Conexiones C.A. (Agente Movistar) | Venezuela

Systems & Network Support Specialist | **2016**

- **Business Continuity:** Ensured uninterrupted operations of the retail core infrastructure through preventive and corrective maintenance of hardware, software, and payment gateways.
- **Infrastructure:** Configured and managed local network routing and switching devices to mitigate connectivity risks and enforce corporate information security policies.

Centro de Coordinación Policial No. 03 Poliguarico | Venezuela

Intern Java Developer | 2015

- **End-to-End Development:** Architected relational database schemas and developed a desktop inventory management software from scratch leveraging Java and MySQL.
 - **Operational Impact:** Automated the institution's manual record-keeping processes, decreasing administrative processing times by 30%.
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EDUCATION

- **B.S. in Computer Science (Ingeniero en Informática)**
Instituto Universitario de Tecnología de los Llanos (IUTLL) | Graduado en 2017
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LANGUAGES

- **Spanish:** Native
 - **English:** Intermediate (Fluent reading of complex architectural documentation, proficient technical writing/commenting, and conversational skills in continuous progression).
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