

Emiliano Nataren Del Rivero

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 [Emiliano Nataren Del Rivero](#) |  [EminatarenX](#)

Tuxtla Gutierrez, Chiapas - 29040, Mexico

SUMMARY

- Backend Developer with 3+ years of experience in Application/Production Support, building scalable systems (Java/Spring, Python, NestJS), and event-driven architectures (Kafka, WebSockets).
- Proven track record in deploying AI-powered solutions (WhatsApp automation, NLP) used by 300+ companies, including Fortune 500 clients.
- Experienced in healthcare backend systems, with knowledge of PACS, HL7 and FHIR standards for medical data interoperability.
- Technical educator with 1K+ YouTube subscribers, creating content on microservices and cloud optimization.

EXPERIENCE

- **Grupo Salinas (Elektra)** May 2025 - Present
Backend Developer Mexico City (Hybrid)
 - **Template Optimization for Marketplace Sellers:** Migrated Excel generation service from Apache POI XSSF to SXSSF, enabling dynamic window sizing and disk streaming for large datasets.
 - **Performance Improvement:** Reduced template generation time from 70s to 18s when handling 300K+ rows, without increasing container memory allocation on Tomcat JVM.
 - **Production Impact:** Released to production within the first weeks of onboarding, ensuring sellers can download product templates faster and with higher reliability.
 - **Result:** Eliminated memory-related errors and improved user experience without additional infrastructure costs.
 - **Tech Stack:** Daily development with **Java (8–21)** and **Spring Boot 3.5+**; database interaction with **Oracle**, writing and optimizing queries and stored procedures within business packages.
- **E-Bitware** May 2024 - Apr 2025
Semi-Senior Backend Developer Mexico City (Hybrid)
 - **Conversational AI System:** Designed a Python-based (Flask/FastAPI + AsyncIO) backend integrated with Claude API and LangChain, improving NLP accuracy by 40% for WhatsApp campaigns.
 - **Microservices Architecture:** Built 5 Java Spring Boot services with Kafka, reducing latency by 30% through Redis caching and MongoDB transactions.
 - **Kubernetes Deployment:** Orchestrated DEV/QA/PROD environments on AWS (EC2, S3), cutting cloud costs by 22% via auto-scaling.
 - **Impact:** Solution deployed by 300+ enterprises (e.g., Liverpool, Banxico) to automate 50K+ monthly customer interactions.
 - **Tech Stack:** Worked with **Spring Boot, Flask, Kubernetes**, and **Oracle DB**; daily interaction with **Unix-based systems** for deployment, monitoring and troubleshooting.
- **Neurotry** May 2023 - Apr 2024
Backend Developer Remote
 - **WhatsApp Automation:** Developed backend services integrating WhatsApp Cloud API, boosting user engagement by 35%; used **Spring Boot (Java)** for core orchestration and **NestJS/TypeScript** for campaign-specific endpoints.
 - **Offline Catalog:** Created a low-bandwidth solution for SMEs, expanding reach to 1.5K users in 3 months.
 - **AI Model:** Built a Google AI-powered chatbot presented at *OpenMINDFest2023* (CUTonalá).
 - **Tech Stack:** Daily development with **Java 17** and **Spring Boot** for microservices and orchestration; complemented by **NestJS/TypeScript** for frontend-facing APIs; deployed and monitored services on **Unix-based systems**.
- **HighTech Process Counselors** May 2022 - Apr 2023
Backend Developer Remote

- **Web Catalog Backend:** Laravel/MySQL application with an admin panel that reduced manual tasks by 20%.
- **Auth Middleware:** Implemented JWT-based access control, eliminating 3 critical security vulnerabilities.
- **Spring Services:** Developed backend microservices using **Java 17** and **Spring Boot 3+**, integrating business logic with MySQL databases.
- **Monitoring:** Worked with **Unix-based systems** for service deployment, log analysis, and performance monitoring.

EDUCATION

- **Universidad Politécnica de Chiapas** Sep 2022 - Jul 2025
B.S. in Software Engineering Suchiapa, Mexico
 - Relevant coursework: Cloud Architecture, Microservices Design, Cybersecurity.

TECHNICAL SKILLS

- **Languages:** Java (Spring Boot), Python (Flask/FastAPI), TypeScript (NestJS)
- **Cloud & DevOps:** AWS (EC2, S3, Fargate, CodeCommit, Secret Manager), Kubernetes, Docker, CI/CD, Nginx, Unix
- **Databases:** MongoDB, PostgreSQL, Redis, SQL, Oracle
- **Version Control:** GitHub, GitLab
- **Event-Driven:** Kafka, WebSockets
- **Methodologies:** Agile, Jira
- **Support:** Application/Production Support
- **Healthcare Standards:** PACS, HL7, FHIR
- **APIs:** REST, GraphQL, WhatsApp Cloud API, Stripe

CONTENT & PROJECTS

- **YouTube: Eminataren** Jan 2024 - Present
Node.js, NestJS, AWS, Microservices 
 - 1K+ subscribers and 15K+ views with tutorials on backend development.
 - Top videos: NestJS Microservices Course (5.8K views), AWS EC2 Deployment (900+ views).

CERTIFICATIONS

- **AWS Academy**Cloud Architecting 2024
- **OpenEDG**English for IT (C1) 2023
- **Cisco**Cybersecurity Essentials 2022