Nicolás Farina

Java Backend Engineer | Electronic Engineer (UNR)

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PROFILE

Electronic Engineer (UNR) and Java Backend Engineer with 5+ years building and modernizing Java microservices, REST/SOAP integrations and cloud infrastructure across media (AGEA / Clarín Group), ERP and logistics (NeuralSoft). Focused on payment integrations (PCI DSS), PostgreSQL concurrency, Linux/Docker environments and automated DevSecOps pipelines.

EXPERIENCE

Ecosistemas | Software Engineer (Assigned to AGEA · Clarín Group) - Dec 2025 - Present

Developing Java microservices and contributing to a phased migration from on-premises infrastructure to Google Cloud (resource configuration and service adaptation). Implementing payment integration changes within an ongoing PCI DSS initiative, focusing on token handling, encrypted card data flows and secure inter-service communication.

NeuralSoft | Java Backend Developer · FastPRG - Jun 2021 - Dec 2025

Built and maintained Java microservices, REST/SOAP APIs and real-time bidirectional communication over WebSockets on Apache Tomcat for ERP and logistics platforms. Containerized legacy Java services with Docker and supported Linux production servers and CI/CD workflows.

Ingeniería Boggio | Software Developer - Jul 2019 - Mar 2021

Designed and built a Python and Rasa web chatbot deployed on Google Cloud, along with a Flask and PostgreSQL web application to manage remote bot training and datasets.

TECHNICAL SKILLS

Backend: Java (8, 11, 17, 21, 25), Spring Boot, Spring Security, Jakarta EE, Hibernate / JPA, REST APIs, SOAP, WebSockets, TCP.

Cloud & DevOps: Google Cloud (GCP), Docker, Docker Compose, Linux, Apache Tomcat, Nginx, Git, GitHub Actions, CI/CD, Maven, Gradle.

Databases & Caching: PostgreSQL, MySQL, Flyway, H2, Redis, Caffeine.

Security & Observability: OAuth2 / OIDC (Keycloak), JWT, OWASP API Security, OpenTelemetry, JUnit 5, Testcontainers, ArchUnit, Trivy, SpotBugs, Gitleaks, CycloneDX SBOM.

PROJECTS

SecurePay - Open-source Java 25 / Spring Boot 4 payment API: customer-scoped idempotency & SHA-256 fingerprinting verified under PostgreSQL 18 concurrency, signed JWT auth, token-bucket rate limiting, OpenTelemetry tracing (120 automated tests) and DevSecOps CI.

Farina Agent Platform - Modular Java 25 / Spring Boot 4.1 control plane: OAuth2/JWKS (Keycloak), separated least-privilege PostgreSQL 18 roles, transactional append-only audit trail, ArchUnit & Testcontainers (107 tests).

SecurePay source: github.com/nicolasfarina/securepay

EDUCATION & LANGUAGES

Electronic Engineer | Universidad Nacional de Rosario (UNR · FCEIA) | 2011-2019

Completed coursework: CCNA Routing & Switching (Modules 1-4); Industria 4.0 - UTN Buenos Aires

Spanish: Native. Technical English: daily reading/writing of documentation, ADRs and code; spoken A2 progressing toward B1.