

# Ezequiel Falca

## Backend Developer – Java & Spring Boot

Argentina | Available Remote

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## Professional Summary

Backend Java Developer specialized in **Java 17** and **Spring Boot 3**, experienced in building secure, production-ready **REST APIs**. Strong knowledge of Spring Security, Flyway database migrations, Dockerized deployments, CI/CD pipelines, and backend metrics observability. Focused on backend architecture, security, and scalable system design.

## Technical Skills

- **Languages:** Java 17
- **Frameworks:** Spring Boot 3, Spring Security, Spring Data JPA
- **Security:** JWT, OAuth2, Refresh Tokens, Role-Based Access Control, API Rate Limiting (Bucket4j)
- **Databases:** PostgreSQL, MySQL, H2, Flyway
- **DevOps:** Docker, Docker Compose, GitHub Actions (CI/CD)
- **Realtime:** WebSockets (STOMP)
- **Testing:** JUnit 5, MockMvc
- **Frontend (basic):** HTML5, CSS3, JavaScript (ES6)
- **Caching:** Spring Cache abstraction, Caffeine (in-memory caching)
- **Observability:** Metrics with Spring Boot Actuator, Prometheus & Grafana; Centralized Logging with Better Stack (SaaS similar to Datadog / New Relic)
- **Other:** OpenAPI / Swagger, REST APIs

## Personal Projects

### Social Media Platform – Full Stack (Spring Boot 3 + Vanilla JS)

GitHub: <https://github.com/zuxercoding99/social-media-with-springboot>

- Designed and developed a Twitter-like social media platform using **Spring Boot 3**.
- Implemented secure authentication and authorization with **JWT, OAuth2 login, and Refresh Tokens**.
- Built REST APIs with role-based access control and ownership validation.
- Implemented real-time messaging using **WebSockets (STOMP)**.
- Managed database migrations with **Flyway** and configured production-ready Spring profiles.
- Improved performance by implementing **in-memory caching** using **Spring Cache** with **Caffeine** for frequently accessed data.
- Implemented backend **metrics observability** using **Spring Boot Actuator**, **Prometheus**, and **Grafana**, with centralized logging via **Better Stack**.
- Dockerized the application and automated CI/CD pipelines using **GitHub Actions**.

### Voucher E-Commerce Platform – Backend (Spring Boot 3)

GitHub: <https://github.com/zuxercoding99/Voucher-Ecommerce>

- Developed backend services for digital voucher sales using **Spring Boot**.
- Integrated payment gateway and webhook processing.
- Implemented voucher expiration and validation business logic.
- Documented REST APIs with OpenAPI and applied unit/integration testing using **JUnit**.

## Education

### Bachelor's Degree in Computer Science

Universidad Nacional del Comahue — 2018 to Present

## Languages

- Spanish: Native
- English: B2 (technical reading and basic communication)

