



ANDERSON J GONZALEZ AVILA

SOFTWARE ENGINEER

PERSONAL INFORMATION

Backend Developer with 9+ years of experience in building scalable, cloud-native microservices and optimizing backend systems. Expertise in Java, Spring Boot, and distributed systems, with proven success in implementing design patterns, reducing latency, and delivering robust solutions. Recognized for innovation and leadership in enhancing system performance and developer productivity

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Programming Languages

- Java
- JavaScript
- Kotlin
- Golang

Frameworks

- Spring Boot
- Hibernate
- ExpressJs
- Gin

Databases

- PostgreSQL
- MySQL
- Redis
- MongoDB

Tools

- Docker
- Kubernetes
- AWS
- GCP
- Kafka

WORK EXPERIENCE

Senior Java Developer, Capitle Consulting, Barcelona, Spain

Dec 2021 - Currently

Inditex

Technological stack: Spring boot, Java 21, MongoDB, Kafka and Maven, DDD oriented; Hexagonal Architecture; OpenAPI definitions; gRPC and REST; Avro Schemas; AWS; Kubernetes; Prometheus; Grafana; Dynatrace

Proposal/enhancement:

- Optimized Spring Boot integration tests by eliminating unnecessary context creation, reducing execution time by 50%.
- Implemented the outbox pattern to ensure reliable and consistent event production.
- Designed a ShedLock-based cron job, avoiding the need for additional microservices while maintaining scheduling efficiency.
- Configured scalable event producers using Avro Schemas, enabling rapid implementation of new producers without altering the existing codebase.
- Developed a custom MongoDB library to replicate functionalities provided by Spring Boot JPA for relational databases, such as @Sql support for integration tests.
- Applied optimistic locking in MongoDB to manage concurrent data updates effectively, ensuring data consistency.

Manomano

Technological stack: Spring boot, Java 17, Kotlin, Golang, Gin, PostgreSQL, Redis, Kafka and Gradle as stack, DDD oriented; Hexagonal Architecture; REST and GraphQL; AWS; Kubernetes; Prometheus; Grafana; Datadog

Proposal/enhancement:

- Proposed and implemented a solution using Spring Cloud Gateway, reducing the need to create additional microservices.
- Enhanced integration tests with Testcontainers for PostgreSQL, Kafka, and Redis, significantly improving test execution time.
- Designed and implemented asynchronous processing for large CSV files using custom executors and optimistic locking, enabling product owners to handle data faster and more effectively.

Languages

- Spanish - Native
- English - B2

Courses

- **Scrum Master Profesional Certificate - License 27931918, SMPC**
2018
- **Participation Certificate course Java SE 8 Fundamentals Ed 1, Oracle University**
2015
- **Participation Certificate Course of Oracle SOA Suite 11g: Build Composite Applications Ed 3, Oracle University**
2015
- **Assistance Certificate course of Java, UCV Facultad de ciencias centro de enseñanza asistida por computador**
2013

Academic Experience

- **Superior Technician in Computer Science**

Instituto Universitario de Tecnología Dr. Federico Rivero Palacios
2010 - 2013

- **Bachelor of Basic and Technological Sciences**

Obra del Buen Consejo
2002-2007

U.E. Jose Leonardo Chirinos
2005-2006

Senior Java Developer, Globant, Santiago, Chile

Sept 2019 - Dec 2021

Latam Airlines

Technological stack: Spring boot, Java 11, Kafka and Gradle, DDD oriented; Hexagonal Architecture; REST

Proposal/enhancement:

- Configured Feign clients with custom exception handling for multiple external service integrations.
- Improved code quality using design patterns such as Strategy and Chain of Responsibility.
- Developed custom actuators to monitor the status of connections with tools like Redis.
- Built a microservice component using WireMock to simulate external API responses, reducing request limits and accelerating new microservice development.
- Created a gateway microservice to manage traffic and prevent resource exhaustion, enabling better scalability and fallback mechanisms.
- Designed a system to persist flight seat maps and availability in a GCP columnar database using Kafka events, reducing resource usage and improving system reliability.

Developer Engineer, Mercado Libre, Santiago, Chile

Apr 2019 - Sep 2019

Technological stack: Java 11, Spring boot, Guava, Maven, Golang, Groovy, Javascript, MongoDB

Proposal/enhancement:

- Resolved a long-standing production issue by developing a Golang-based CRUD API for MongoDB, reducing manual database synchronization efforts.
- Addressed various critical production bugs within tight deadlines, earning the "Legend" badge for exceptional contributions.

Developer Engineer, 2Brains, Santiago, Chile

Jul 2017 - March 2019

Banco Falabella

Technological stack: Javascript, MongoDB, ExpressJs, Node, Angular 2, Docker, Exposing REST controller and consuming SOAP services

Proposal/enhancement:

- Improved web application response times by implementing asynchronous calls with RxJS observables in the backend.
- Proposed and implemented Dan Wahlin's architecture, enhancing application scalability and code organization.
- Developed a hybrid encryption solution to secure communication between external components and bank systems, meeting regulatory requirements and enabling project deployment.

Developer Engineer, IMAGEMAKER, Santiago, Chile

Jan 2017 - Jul 2017

Seguros Falabella

Technological stack: Java 8, Spring MVC, Hibernate, AngularJS

Proposal/enhancement:

- Successfully deployed a project with ten modules and a database architecture built from Java class models.

Developer Leader, Telefónica Movistar, Caracas, Venezuela

Apr 2016 - Sept 2016

Technological stack: Java, C#, ASP.NET, Razor, AngularJs, Oracle

Proposal/enhancement:

- Implemented an internal web application to streamline product management for business stakeholders.
- Led six concurrent projects, defining technical solutions through documentation, diagrams, and codebase examples for vendor implementation.

Senior Consultant, SOAINT, Caracas, Venezuela

Jun 2015 - Mar 2016

Technological stack: Spring MVC, JSP, HTML, CSS3, JavaScript, JQuery, AngularJs, Hibernate, Jasper Report

Proposal/enhancement:

- Transitioned from developer to team leader, successfully introducing Scrum methodology to improve team productivity.
- Delivered key features across frontend and backend layers, ensuring alignment with project timelines and quality standards.

Analyst Developer, Mercantil - Banco Universal, Caracas, Venezuela

May 2012 - Jun 2015

Technological stack: Struts 1, JSP, CSS, JavaScript, JQuery, Ajax, Oracle

Proposal/enhancement:

- Assumed responsibility for an intranet system after three months, resolving production issues and ensuring operational stability.
- Designed and implemented a solution to process stock information files in under three minutes, significantly improving efficiency compared to prior methods that took hours.