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PROFESSIONAL SUMMARY

Backend Java Developer with experience in designing, developing, and optimizing scalable microservices. Expert in the Spring ecosystem (Boot, Data JPA, MVC) and in Oracle 11g database optimization. Proven experience in refactoring legacy code to clean architectures, achieving a 30% reduction in response times. Strong skills in CI/CD , code quality (SonarQube, Checkmarx) , and Agile methodologies (Scrum). Also possess transferable skills in Python (FastAPI, Pandas).

TECHNICAL SKILLS

- **Programming languages:** Java (21, 11, 8), Python, TypeScript.

- **Frameworks (Java):** Spring Boot, Spring Data (JPA, MongoDB), Spring MVC, Spring Framework, Hibernate, JSF, PrimeFaces.

- **Frameworks (Python):** FastAPI, Pandas, NumPy, SQLAlchemy.

- **Databases:** MongoDB (NoSQL), Oracle 11g, SQL Server, MySQL, SQLite.

- **Tools and DevOps:** Apache Kafka, Maven, Git (GitHub, GitLab), Postman, Swagger/OpenAPI, SonarQube, Checkmarx, Jira, ServiceNow, Docker, CI/CD.

- **Methodologies:** Scrum, ITIL, Waterfall, Spiral.

- **Operating Systems:** Linux (Ubuntu, Debian), Windows.

PROFESSIONAL EXPERIENCE

Stefanini Mexico (December 2024 - Present)

Microservices Developer

- Implemented event-driven architectures using Apache Kafka, facilitating asynchronous communication between microservices and improving system scalability.

- Designed and optimized unstructured data storage using MongoDB, integrating NoSQL databases to improve response speed in high-demand modules.

- Converted legacy endpoints to clean architecture (Model-Repository-Service), reducing response time by 30% and repeated code by 25%.

- Developed and supported (L3) microservices using Maven, Spring Boot, Spring Data JPA/MongoDB, Spring Cloud Stream (Kafka), and Lombok.

- Designed RESTful controllers with Spring MVC for JSON serialization handling.

- Documented 100% of the microservices architecture (UML, Swagger), reducing onboarding time by 25%.

- Identified and mitigated security vulnerabilities in Java code with SonarQube.

- Managed tasks and incident tracking using Jira.

NTT Data Mexico (January 2024 - November 2024)

Developer

- Developed and provided L3 support for microservices using **Maven** and **Spring Boot** for the national bank account registration system.

- Implemented continuous integration (**CI/CD**) practices for agile microservices deployment.

- Performed advanced optimization of **SQL** queries in **Oracle 11g**, tuning stored procedures to meet DBA performance requirements.

- Managed incidents and changes following **ITIL** best practices.

- Used **Jira** for task tracking and **ServiceNow** for incident/ticket management.

National Electoral Institute - INE (August 2023 - January 2024)

Developer

- Developed specialized **SQL** queries to optimize the performance of stored procedure packages in **Oracle 11g**.

- Detected and remediated security vulnerabilities in **Java** code using the **Checkmarx** tool.

- Enhanced and tuned **SQL** queries to ensure compliance with DBA standards.

Grupo Salinas S.A. de C.V. (March 2021 - March 2023)

Developer

- Maintained fiscal system application code and developed tax calculation applications.

- Developed **SQL** queries for stored procedure packages in **Oracle 11g**.

- Corrected **Java** code, identifying vulnerabilities with **Checkmarx** and **SonarQube**.

- Administered **Linux** services (SCM Server, **Mongo DB**).

ADDITIONAL PROJECTS (PYTHON)

- **Python Backend Development (Personal/Academic Projects)**

  - Designed and implemented **RESTful** APIs using **FastAPI** and **SQLAlchemy** (ORM), applying clean architecture principles.

  - Performed data analysis and transformation (ETL) using **Pandas** and **NumPy**.

  - Developed end-to-end prototypes integrating APIs, databases (**MySQL/SQLite**), and data pipelines.

EDUCATION

Computer Systems Engineering Atemajac Valley University

LANGUAGES & COURSES

- **Languages:** Spanish (Native), English (Advanced - B1)

- **Relevant Courses:** Learn Docker from Zero to Swarm and Kubernetes (Udemy) , JavaScript Algorithms and Data Structures Certification (Freecodecamp) , Python Course (Edutin).