SOFTWARE ENGINEER | FULLSTACK DEVELOPER

ANDRES ALFONSO MIRA MEJIA

PROFESSIONAL EXPERIENCE

IAS Software – Software Developer
July 2023 – Present

- Developed fullstack solutions using Java, Spring Boot, Angular, and NestJS for chatbot platforms using NLP and ML.

- Built CI/CD pipelines in Azure DevOps and deployed microservices to AWS (Lambda, S3, ECS, DynamoDB).

- Ensured secure coding practices and vulnerability management through regulatory scans and hardening.

- Defined conversation flows and developed REST APIs to improve user interaction.

IAS Software – BI Developer / Data Engineer
December 2022 – June 2023

- Implemented a financial Data Warehouse in Azure Synapse, consolidating data from POS and retail systems.

- Automated reports and dashboards using Power BI and Azure Logic Apps.

- Optimized ETL processes with SSIS and SQL, reducing load time by 40%.

- Applied best practices in dimensional modeling and data quality assurance.

Grupo Avalon – Programmer Analyst
June 2022 – November 2022

- Led migration of legacy systems to a new SQL Server data infrastructure.

- Developed SSRS reports and Power BI dashboards for operational insights.

- Built and optimized complex SQL objects: views, stored procedures, triggers.

PROFESSIONAL SUMMARY

Fullstack Developer with experience building web applications using Java + Spring Boot, NestJS, and Angular. I have contributed to conversational platforms powered by Natural Language Processing (NLP) and Machine Learning, applying clean architecture principles (Hexagonal, Onion) and design patterns such as MVC to develop scalable and maintainable systems.

Proficient in designing event-driven microservices and developing RESTful APIs. I automate deployments using CI/CD pipelines with Azure DevOps, and manage infrastructure on AWS (Lambda, S3, ECS, DynamoDB). I also have strong knowledge of automated testing (unit, E2E, performance), secure development practices, and DevOps workflows.

Currently expanding my frontend expertise to deliver fully integrated end-to-end solutions, collaborating effectively in agile, cross-functional teams.

CONTACT

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WORK EXPERIENCE SECTORS

- Financial
- Sales
- Transportation
- Telecommunications
- Technology
- Tourism
- Insurances

LENGUAJES

- Spanish -> Native
- English -> Intermediate (B1-B2 CEFR)

SOCIAL MEDIA

Emtelco CX & BPO – BI Engineer
March 2021 – June 2022

- Designed and implemented BI architectures: datamarts, OLAP cubes, dashboards, KPIs.
- Automated reporting processes using SSIS, SSAS, SSRS.
- Created technical documentation and supported end users in BI solutions.

Ultracom IT – BI Engineer
December 2019 – March 2021

- Implemented scalable data warehouses and tabular models with SSAS and Power BI.
- Optimized ETL flows with SSIS for performance and reliability.
- Worked closely with stakeholders to deliver strategic dashboards and insights.

TECHNICAL SKILLS

- **Languages & Tools:** Java, SQL, Python, TypeScript, R, HTML/CSS
- **Frameworks:** Spring Boot, Angular, NestJS
- **ETL & BI Tools:** SSIS, SSAS, SSRS, Power BI, Azure Synapse, Oracle Data Integrator
- **Cloud & DevOps:** AWS, Azure, Git, Azure DevOps, DataOps
- **Databases:** SQL Server, PostgreSQL, MySQL, PL/SQL, Redshift
- **Other Skills:** REST APIs, Clean Architecture, Dimensional Modeling, Agile methodologies

EDUCATION

Specialization in Business Intelligence
Católica del Norte Fundación Universitaria, 2018–2019

Bachelor's in Computer Engineering
Católica del Norte Fundación Universitaria, 2014–2018