Diego Arturo Morales González

Senior Software Engineer | Cloud & Intelligent Systems
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Professional Summary

Senior Software Engineer with 7+ years of experience in backend microservices, cloud systems, and large-scale data processing. Pursuing a master's degree in Applied AI at Tecnológico de Monterrey to design and implement scalable intelligent systems on cloud-native architectures.

Technical Skills

Cloud & DevOps: Oracle Cloud Infrastructure (OCI), Kubernetes, Docker, Terraform, Jenkins, Artifactory/JFrog, Git.
Backend: Java, Spring Boot, Microservices, Apache Kafka, Python, JavaScript, Oracle APEX.
Data & Search: SQL, PL/SQL, Oracle Database, NoSQL, Elasticsearch, OpenSearch.
Observability & Testing: Prometheus, Grafana, Kibana, JUnit, Mockito, JaCoCo.
AI / ML: Python, pandas, scikit-learn, Jupyter.
Languages: Spanish (native), English (professional working proficiency).

Professional Experience

Senior Software Engineer — Oracle *May 2021 – Present*

- Designed and delivered backend microservices for Oracle CRM, collaborating with teams across the US, India, and Hungary.
- Developed Elastic Stack workflows supporting nearly **100 million documents per index**.
- Optimized and automated indexing workflows, reducing processing time by **60%**.
- Developing a microservices-based platform to improve component reuse across global sites and data centers, avoiding unnecessary purchases; automated component tracking and inventory control with **Oracle APEX**.
- Monitored Kubernetes clusters with Prometheus and Grafana and analyzed logs in Kibana to diagnose production issues; increased test coverage to as high as **80%** (JUnit, JaCoCo, Mockito).

Full Stack Developer — Grupo Salinas *April 2020 – April 2021*

- Delivered regulatory reporting features using Java EE, PrimeFaces, and JSF for Mexico, Guatemala, and Honduras.
- Automated large Excel file processing and loading, eliminating manual work in selected workflows.

Full Stack Developer — CSII, National Polytechnic Institute *June 2019 – January 2020*

- Developed Intranet SIG@ features supporting institutional budgeting and allocation of funds.
- Automated budgeting workflows using MVC, ColdFusion, JavaScript, jQuery, Java, and SQL.

Education

Tecnológico de Monterrey *September 2026 – Present*
Master's Degree in Applied Artificial Intelligence (in progress)

ESCOM — National Polytechnic Institute *August 2015 – December 2019*
Bachelor of Engineering in Computer Systems

Taiwan Tech — NTUST *August 2018 – January 2019*
Academic Exchange — Graduate coursework in Computer Science and Information Engineering

Certifications & Training

OCI 2023 Certified Architect Associate — Oracle *December 2023*
OCI 2023 Certified Foundations Associate — Oracle *August 2023*
CKAD Preparation Course — KodeKloud, certificate of completion *June 2024*
Terraform Basics Training Course — KodeKloud *October 2023*
GBS Academy: Microservices — IBM *September 2019*