

# DIEGO ARTURO MORALES GONZÁLEZ

## Senior Software Engineer

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### WORK EXPERIENCE

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#### Senior Software Engineer - ORACLE

May 2021 - Present

- Member of Oracle Application Labs, contributed to the development of multiple **Oracle CRM** projects.
- Developed, designed, tested, and delivered back-end functionalities, key to **business growth**.
- Developed and monitored multiple functionalities with **Elastic Stack** for several projects, creating nearly **100 million documents per index**.
- Continuous monitoring of clusters, nodes, and pods with **Prometheus** and **Grafana**, along with log visualization in **Kibana** to swiftly prevent and resolve issues.
- **Delivered a functional POC** for email processing according to business rules using **Microsoft Graph API** in Java, without prior experience by ramping up **in a single sprint**.
- Implemented robust coding practices and **increased code coverage** for all my projects by **up to 80 %** (*JUnit, JaCoCo and Mockito*).
- Worked with several teams from the **US, India, and Hungary** on various projects and functionalities.

#### Full Stack Developer - Grupo Salinas

April 2020 - April 2021

- Designer and Developer for the **Legal Department** and **Regulatory Reporting** Department.
- **Eliminating up to 100 % of manual work** by automating the process of **loading heavy .xlsx files**, minimizing risks through regression strategies, and providing data previews according to business rules.
- Delivered multiple implementations using **JavaEE** (*PrimeFaces* and *JSF*) for the regulatory reporting area in systems across **Guatemala, Honduras, and Mexico**.

#### Full Stack Developer - CSII @IPN

June 2019 - January 2019

- Designer and developer of **Intranet SIG@**, a system that facilitates the **budgeting process** for the institution, allocating **large sums of money** to different areas of the institute.
- Delivering and **automating** multiple functionalities within **short timeframes** using MVC design pattern with **ColdFusion** (*Javascript, JQuery, Java and SQL*).

### EDUCATION

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#### ESCOM - IPN

August 2015 - December 2019

Bachelor of Engineering in Computer Systems

#### Taiwan Tech - NTUST

August 2018 - January 2019

M.S. Computer Science and Information Engineering

### OUTSTANDING PROJECTS

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#### Chaffing and Winnowing Authentication Prototype

Winter 2019 - Fall 2019

Co-Creator of a prototype which provides auto login to users, in this way the users will use certificates (as a password) to get access to their web services by a Google Chrome extension, all of this is possible through a certification authority that provides the user certificate. Proposing the Chaffing and Winnowing as an authentication alternative. It was developed with NodeJs, MongoDB, Spring, HTML, CSS, Javascript, JQuery and MySQL.

### COURSES AND CERTIFICATIONS

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Oracle Cloud Infrastructure 2023 Certified Architect Associate issued by Oracle

December 2023

Terraform Basics Training Course issued by KodeKloud

October 2023

Oracle Cloud Infrastructure 2023 Certified Foundations Associate issued by Oracle

August 2023

GBS Academy: Microservices issued by IBM

September 2019

Oracle Database 12c: SQL & PLSQL Fundamentals issued by Oracle

January 2018

Diploma course of Java language issued by CIC - IPN.

August 2017 to April 2018