

Oscar Morales Picazo



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[More about me.](#)

EDUCATION

Tecnológico de Monterrey
B.S. Mechatronics engineering
GPA: 92/100
Graduated in June 2021

TECHNICAL SKILLS

Javascript | NodeJS | AWS | React | Postgresql | Git | Jira |
Terraform | Python | Jenkins | Docker

PROFESSIONAL EXPERIENCE

ELLUCIAN

- 2023 - Present

Senior Software Engineer
Actively engaged as a dedicated DevOps engineer with a primary emphasis on enhancing service reliability. My role extensively involves architectural design, where I contribute to shaping robust frameworks. Proactive involvement in team collaboration.
- 2022 - 2023

Software Engineer II
Full-stack development for multiple SAAS services deadline-conscious. ReactJS development based on Figma designs. Improvement of RESTful APIs to keep security standards and other requirements.
- 2021 - 2022

Associate Software Developer
Crafted a comprehensive user interface utilizing React, This UI was instrumental in facilitating the seamless creation, retrieval, updating, and deletion (CRUD) of presets utilized within another integral service.
- 2021

R&D Internship
Development of an ECS task designed for periodic execution, effectively extracting data from a database and transforming it into actionable metrics through Datadog integration.

MAJOR SCHOOLS PROJECTS

- 2019

Automatons for the improvement of industrial processes (team project) – VW Project
Collaborated on an autonomous cargo vehicle project with Volkswagen de México, employing ROS communication for seamless interaction between a PC, PLCs, and sensors controlling vehicle systems. Significantly contributed by installing and programming encoders and Inertial Measurement Units to ensure real-time tracking of the vehicle's pose.
- 2019

Smart Industries (team project) – VW Project
Collaborated with Volkswagen de México on a project to create an ongoing navigation monitoring system. Utilized LIDAR and ultrasonic sensors with microcontrollers and stepper motors to construct a comprehensive 360° map through Python on a Raspberry Pi.

CERTIFICATIONS

- 2023

Amazon Web Services (AWS) - AWS Cloud Practitioner

COURSES

- 2022

Duke University - Java Programming: Solving problems with software
- 2022

LinkedIn - OWASP Top 10 Application Security Risks
- 2021

The Hong Kong University of Science and Technology - Front-End Web Development with React
- 2021

LinkedIn - AWS for Developers: DynamoDB
- 2020

deeplearning.ai - Neural networks and Deep Learning