Oscar Morales Picazo

✉ oscar.picazo8@gmail.com   📞 +52 (222) 532 6900   👤 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 UNIVERSITY 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