Oscar Eduardo Nieto Espitia

onietoespitia2@gmail.com   +52 (462) 148 6009   github.com/OscarNieto113

EDUCATION

Tecnológico de Monterrey, campus Querétaro   Graduating in July 2024
Bachelor of Engineering in Computer Science and Technology   *GPA 97/100*

WORK EXPERIENCE

Aeropuerto Internacional Felipe Ángeles   Ciudad de México, México
IT System Analyst   Dec 2022 – Feb 2023
- Implemented and configured the NextCloud software system, enabling real-time collaboration on office documents.
- Created a customized cloud space using NextCloud to address the privacy requirements, ensuring a secure environment for storing and sharing sensitive data.
- Led the adoption of CMMI practices in the Configuration Management area, ensuring a systematic approach to identifying, controlling, and managing software product configurations. Successfully transmitted these best practices to the team.

MAJOR PROJECTS

Kiara Bienes Raices -Real Estate Purchase, Sale, and Rental Web Application   Apr 2023 – Jun 2023
Developed a comprehensive real estate purchase, sale, and rental web application for Kiara, providing end-to-end process tracking and traceability at every transaction stage
- Used a MVC architecture, heavily relying on npm modules to ensure modularity and code reusability.
- Deployed the application on AWS, ensuring scalability and high availability for users.
- Followed the Disciplined Agile Delivery methodology, prioritizing quality and fostering collaboration with stakeholders.

Eventos CECEQ - Web Application for Booking Facilities   Apr 2023 – Jun 2023
Developed a web application for CECEQ to streamline booking processes for spaces within their facilities.
- Implemented a RESTful API backend using node.js, Express.js, and MongoDB to provide seamless communication.
- Utilized React and Tailwind as the primary frontend frameworks, creating a modern and responsive user interface.
- Deployed the application on a facility server using Nginx, PM2, and openSSL to ensure secure and efficient operation.
- Successfully reduced the document capture process from four hours to just 30 minutes.

Genesis - Software Development Department Consolidation   Feb 2023 – Jun 2023
Consolidated a software development department by implementing reference models and best practices.
- Drafted action plans and guided meetings with department leaders to review project status and proposed necessary changes.
- Delivered regular status reports to stakeholders, facilitating budgeting and planning decisions.
- Monitored cost, timescales, and resources utilization to ensure department goals were met efficiently.
- Successfully led the department from CMMI Level 1 to Level 2.7 in just five months through process improvements.

Ticket and Event Manager – Android Application for Management Events   October 2022
Develop an Android app for Atemporal, enabling the promotion, management, and optimization of events.
- Employed Git, XML, Kotlin, Firebase, Room, and chartkt for the development of the application.
- Requirements gathering from scratch and deliver a user-friendly interface for ticket scanning and management.
- Implemented data visualization features, resulting in better insights for event organizers and improved decision-making.

DLC - Content and User Manager Web App   May 2022
A web application for NatGas's HR department, enabling efficient communication through general announcements and providing internal departments with access to financial report data.
- Enhanced an internal user management app, facilitating the posting of relevant information by employees.
- Utilized Git, HTML, CSS, JavaScript, JQuery, and SQL for the development of the application.
- Leveraged various npm JavaScript modules extensively to enhance functionality and efficiency. Deployed on GCP.

SKILLS

PROGRAMMING LANGUAGES

1.5 years:	C++
1 year:	HTML, CSS, JavaScript
6 months:	JavaScript, Kotlin, Python
2 months:	MATLAB
1 month:	Racket, R Studio, Unity3D

Languages

Spanish (native language)
English (B1)

TECHNOLOGIES

HTML, CSS, jQuery, node.js, Express, SQL, MongoDB (NoSQL), Git, Amazon Web Services (AWS), Heroku, Proxmox, Android SDK, Unity3D, Docker, Jupyter Notebook, Office, FileZilla, React, Google Cloud Platform (GCP), Bootstrap, Tailwind, Nginx, TensorFlow, Keras. PM2, TrueNAS SCALE.

ONLINE COURSES

Inteligencia Artificial y Deep Learning en Python (Udemy, 2022), The Ultimate React Course (Udemy, 2023