






Oscar Eduardo Nieto Espitia - Data Analyst


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EDUCATION

Tecnológico de Monterrey, campus Querétaro

Bachelor of Engineering in Computer Science and Technology

GPA 97/100

Work Experience

- Manufacturing Analytics Dashboard** – Altea Casting – Data Analyst ConsultantQuerétaro - Apr 2025 – Jun 2025
Designed and implemented a **data analytics solution in Power BI** consolidating production, quality, and material consumption records from spreadsheets into a structured model. Enabled **visibility of KPIs** across production stages, improving operational control and decision-making.
 - Built a scalable **data model** integrating production, rejected parts, and raw material usage to support historical analysis.
 - Developed **interactive dashboards** that increased traceability and provided insights on efficiency and quality.
 - Conducted workshops with production staff, aligning KPIs with business needs and training users for dashboard adoption.
- Server Health & License Optimization Dashboard** – iGeekoo – Data Analyst – Client KellanovaQuerétaro - Jul 2024 – Mar 2025
Developed an **interactive dashboard** to monitor CPU, RAM, and SWAP usage across ~50 servers from SAP BODS, SQL Server, Hadoop, Tableau, and Snowflake. Enabled **real-time health tracking** and automated insights, reducing dependency on manual reporting.
 - Designed intuitive visualizations (traffic-light indicators per server) for faster decision-making.
 - Integrated **license utilization metrics** in Tableau, identifying unused dashboards and licenses to optimize costs.
 - Increased efficiency by automating monthly analysis, giving engineers more time for deep-dive performance reviews.
- Multi-Platform Server Performance Optimization** – iGeekoo – Data Analyst – Client KellanovaQuerétaro - Jul 2024 – Mar 2025
Conducted performance analysis across ~50 servers on SAP BODS, SQL Server, Hadoop, Tableau, Alation, Snowflake, and memSQL, collecting CPU, RAM, and SWAP usage data to identify inefficiencies. Achieved \$500K annual savings by recommending optimizations and resource consolidation.
 - Automated monthly data-driven reports and presented findings to platform engineers.
 - Delivered actionable recommendations that improved performance, reduced costs, and increased resource efficiency.
 - Ensured cross-platform alignment by translating technical insights into business value.
- NextCloud Implementation & Configuration Management** – AIFA – IT Systems SpecialistMexico City - Feb 2023 – Ago 2023
Implemented and configured **NextCloud** at Felipe Ángeles International Airport, enabling secure document collaboration and improving team efficiency by **20%**. Designed a private cloud space tailored to strict privacy needs, ensuring compliance and data protection.
 - Implemented and configured **NextCloud**, enabling **real-time document collaboration**, which **increased team efficiency by 20%**.
 - Designed and deployed a customized cloud space using **NextCloud** to address strict privacy requirements, ensuring a **secure environment** for storing and sharing sensitive data.
 - Championed the adoption of **CMMI in Configuration Management**. Successfully trained the team and developed documentation to ensure a systematic approach to identifying, controlling, and managing software product configurations.

PROJECTS

- Advanced Data Analytics for Aircraft Stability Prediction** – General Electric Aerospace – Team of 3 – Data AnalystAgo 2023 – Jan 2024
Led project focused on optimizing the identification of the 'Stable Cruise' phase in aircraft using advanced machine learning techniques.
 - Implemented and fine-tuned machine learning models, including XGBoost and neural networks, achieving 97% accuracy.
 - Conducted thorough data analysis, addressing class imbalance through under sampling, significantly improving model efficiency.
 - Documented the entire data science workflow, adhering to CRISP-DM methodology, and presented findings in a clear and actionable manner to facilitate decision-making.
- Software Development Department Consolidation** - Genesis – Team of 15 – Project ManagerFeb 2023 – Jun 2023
Consolidated a software development department by implementing CMMI reference model and best practices.
 - Spearheaded a department-wide process improvement initiative that successfully **elevated CMMI maturity level from 1 to 2.7 within five months**. This achievement led to **improved software quality and reduced project risks**.
 - Facilitated smooth departmental integration through **regular status reports delivered to stakeholders**, enabling **informed budgeting and planning decisions**.
 - Closely **monitored department costs**, timescales, and resource utilization, ensuring **efficient goal achievement**.

SKILLS

PROGRAMMING LANGUAGES	TECHNOLOGIES
1.5 years: C++, Python	HTML, CSS, node.js, Express, MySQL, MongoDB (NoSQL), Git, AWS, Heroku, Proxmox,
1 year: HTML, CSS, JavaScript	Android SDK, Docker, Office, React, GCP, Bootstrap, Tailwind, Nginx, TensorFlow, Keras,
6 months: Kotlin, Typescript	PM2, TrueNAS, Typescript, Next JS, Vercel, NextJS, Power BI, Excel
Languages	COURSES
Spanish (native language)	Oracle Database 19c: Administration Workshop (Executrain, 2024), Microsoft Power BI Data
English (C1)	Analyst Certification (Microsoft 2024), Inteligencia Artificial y Deep Learning en Python
	(Udemy, 2022), The Ultimate React Course (Udemy, 2023)