

Samuel Pulido Nochebuena

B.Sc. Mechatronics Engineering | Data Analyst | Puebla, Mexico
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Profile Summary

Data Analyst with a strong background in quality assurance, automation, and data visualization. Experienced in leveraging Python, SQL, and Power BI to drive insights and process improvements. Proven ability to enhance efficiency through automation and data-driven decision-making.

Technical Skills

- Programming: Python (pandas, matplotlib, seaborn), SQL, VBA
- Data Analysis: Exploratory Data Analysis (EDA), Statistical Testing, Predictive Modeling
- Data Visualization: Power BI, Tableau, Matplotlib, Seaborn
- Automation: VBA Macros, Python Scripting
- Other: Excel (Advanced)

Work Experience

Supplier Quality Specialist | Audi (Puebla, Mexico) (2019-2024)

Key Responsibilities: Responsible of National and CKD(European) Suppliers, for Injected and Painted parts
Supplier Quality Assurance & Compliance

- Ensure suppliers comply with IATF 16949, ISO 9001, and VDA requirements.
- Conduct online and on-site supplier audits (process and product audits) to assess quality management system.
- Support APQP (Advanced Product Quality Planning), assuring maturity levels of new and existing supplier under my responsibility
- Lead product release process by PPAP (Production Part Approval Process) submissions, ensuring full documentation and compliance.

Supplier Performance Monitoring & Improvement

- Monitor supplier quality performance using KPIs
- Lead problem-solving activities for supplier-related quality issues using 8D, 5Why, and Ishikawa (Fishbone) analysis.
- Drive continuous improvement initiatives with suppliers to reduce defects and improve process stability.
- Work closely with suppliers on corrective and preventive actions to ensure issue resolution.

Collaboration & Communication

- Act as the link between suppliers and internal departments (technical development, production, logistics, purchasing) regarding quality concerns.
- Collaborate with cross-functional teams to improve supplier selection and development.
- Provide training and guidance to suppliers on quality expectations, tools, and methodologies..

Problem Solving & Risk Mitigation

- Support non-conformance management, including tracking and disposition of defective parts.
- Conduct root cause analysis and ensure timely resolution of supplier quality concerns.
- Develop and implement supplier risk mitigation plans to ensure a stable supply chain.

Documentation & Reporting

- Maintain supplier quality records, including audit reports, PPAPs, CAPAs, and performance evaluations.

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- Generate quality reports and dashboards for management and stakeholders.
- Ensure compliance with regulatory and customer-specific requirements regarding supplier quality.

Key Achievements: Estabilization of door handle supplier, achieving the elimination of supplier from the Critical Supplier Program

Reduction of the yearly defects of suppliers by 50%

Supplier Quality Trainee | Audi (Ingolstadt, Germany) (2018-2019)

Key Responsibilities: Elaboration of relevant reports for the Supplier Quality Management department

Training of core processes and activities for future role in Mexico

Networking with colleagues for future teamworking in Mexico

Key Achievements: Automation of Model Update and Release Monitoring report using Excel Macros

Metrology Quality Intern | Volkswagen (Puebla, Mexico) (2018-2018)

Key Responsibilities: Parts measurement in the metrology department using Coordinate Measurment Machines

Implementation of the maintainance program for the auxiliary measuring devices, as part of my internship program

Key Achievements: Automation of Maintainance Program for the devices using Excel Macros

Maintenance Assistant | Airtemp (Yucatan, Mexico) (2017-2017)

Key Responsibilities: Preventive and Corrective Maintainance on thermoforming machines

Key Achievements: Improvement on opening system for the aluminium recycling machine, achieving operator ergonomony and eliminating security risks

Projects

- Power BI Dashboard for a Toy Store Sales Analysis (2025): Built an interactive dashboard analyzing two years of sales data, identifying trends and key insights.
- Glassdoor IT Jobs Analysis (2025): Performed sentiment analysis and predictive modeling using linear regression to understand job market trends.
- VBA Automation for Report Generation at Audi (Germany): Automated weekly reports, reducing manual work from one week to a single day.

Education

- B.Sc. Mechatronics Engineering - Universidad Tecmilenio (Puebla, Mexico) (2017)
- Data Science Foundations - Codecademy (2024)