

Sergio Javier Ureña Reyes

Senior Data Engineer | Business Intelligence & Systems Engineer (Industrial Engineering)

SUMMARY

Industrial Engineer with 12+ years of experience designing, integrating, and optimizing data-driven systems, ERP platforms, and analytics solutions for manufacturing, quality and logistics environments. Specialized in ETL processes, BI platforms, SAP integrations, and business systems engineering to improve operational efficiency and decision-making.

CORE COMPETENCIES

- ✓ Data Engineering & ETL Architecture
- ✓ SQL Server, MySQL, PostgreSQL, MSSQL
- ✓ SAP Data Integration (ECC, WM, MM, SD)
- ✓ ERP & Legacy Systems Integration
- ✓ Business Intelligence & Analytics
- ✓ Process Automation & Optimization
- ✓ Systems & Industrial Engineering
- ✓ EDI & Supply Chain Data Flows
- ✓ Manufacturing & Logistics Systems
- ✓ APIs (REST, SOAP).

WORK HISTORY - EXPERIENCE

APTIV – Software Developer / IT Business Analyst / SAP BPE (Jul 2018 - Present)

- ❑ Designed / implemented enterprise data pipelines (ETL) integrating SAP, legacy systems, and external customer platforms to support logistics and supply chain operations.
- ❑ Developed BI dashboards and analytics platforms providing real-time visibility into inventory, material shortages, planning, and yield control across global operations.
- ❑ Led ERP and systems integration projects, translating business and manufacturing requirements into scalable data and systems solutions.
- ❑ Supported and optimized SAP data processes (IDOCs, BAPIs, RFCs, EDI), ensuring reliable data exchange between SAP and external systems.
- ❑ Acted as technical lead and systems architect for plant-level manufacturing systems (MES), Quality Systems, data servers, and business applications.

APTIV – Business IT Architect / Developer / SAP BPE (Jan 2015 – Jul 2018)

- ❑ Planned, designed, and deployed manufacturing and business systems focused on data accuracy, process optimization, and operational efficiency.
- ❑ Built automated reporting and analytics tools using SQL-based databases and BI technologies to support management decision-making.
- ❑ Led IT and data projects on multiple global sites within the ASUX division.
- ❑ Developed API-based data integrations to synchronize inventories, production data, and reporting systems with SAP.

DELPHI – Production Scheduler & Planner (Aug 2013 – Jan 2015)

- ❑ Managed production planning and scheduling systems, leveraging data analytics to optimize output and minimize shortages.
- ❑ Performed EDI and logistics data analysis to ensure on-time shipments and avoid excess & obsolete inventory.
- ❑ Coordinated data-driven planning with global customers and internal stakeholders.

KEY ACHIEVEMENTS

- ✓ Led global SAP ECC6 → ECC7 data migration, achieving 100% completion across multiple international plants.
- ✓ Created Aptiv's first global web-based analytics dashboard integrating SAP, Tableau, and multiple data sources.
- ✓ Delivered SAP WM implementations and system integrations improving warehouse accuracy and automation.
- ✓ Designed custom data tools to automate production yield, material counting and inventory uploads across North American plants.

INDUSTRY EXPERTISE



LANGUAGES

Spanish: 100% (Native Speaker)
English: 100% (Fluent Business & Technical)

CONTACT INFO



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TECHNOLOGY STACK

Data & Databases: SQL Server, MySQL, PostgreSQL, MariaDB, SQLite.

ETL & Analytics: BI Platforms, Tableau, Power BI, SQL, Python (analytics).

ERP / Systems: SAP ECC, WM, MM, SD, EDI (EDIFACT, X12).

Development (as tools): PHP, JavaScript, HTML, CSS, APIs (REST, SOAP).

Protocols: FTP, SFTP, XML, JSON, HTTP, TCP/IP, Telnet.

EDUCATION

Bachelor of Industrial & IT Systems Engineering.

(Universidad Americana del Noreste), Reynosa, Tamps, July 2011 - Dec 2016.

Class salutatorian / 9.56 Score

Bachelor Estate ID (Cedula):
0524001814

Bachelor Federal ID (Cedula):
15044201

Reynosa, Tamaulipas, México.