Alexander Volkov

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**Professional Summary:**

Experienced data analyst and full-stack developer student with over 10 years of aerospace background. Proficient in developing dashboards and applications with performance-tuned RDBMS pipelines within manufacturing and emerging data environments. Skilled with analytical concepts, I create data-driven reports using SQL, TypeScript, CSS, HTML, Python, Tableau, Ignition, and various JavaScript frameworks.

I use prompt engineering techniques to streamline workflows, enhance data processing, and drive innovative solutions, ensuring efficient execution from concept through to final implementation.

**Technical Skills:**

Frontend: JavaScript | HTML | CSS | jQuery | BootScrap.js | Chars.js

Backend : SQL | Postgres | eCQ | MongoDB | AWS | Python | Node.js | Express.js | React.js | TypeScript | INSOMNIA

Inquirer | Postgres

Analytics: Tableau | Ignition | PowerBI

**Project Highlights:** Twice recognized for Greenbelt projects at SpaceX & SAFRAN

2017 | SpaceX Kickass Award for Lean Manufacturing Greenbelt in Landing Legs.

2018 | SpaceX Kickass Award for Continuous Improvement & critical path planning.

2020 | SAFRAN Award for “streamlining Data Analytics” and greenbelt support.

2021 | SAFRAN Award for “improving MRP reports” and reducing processing time by over 80%.

2023 | Blue Origin Lift-off Award for “high attention to detail & proactively drive for improvement.”

2023 | Blue Origin Lift-off Award for “bias for action, delivering results and operational excellence.”

**Work Experience:**

January 2023 - Present

**Analyst - Data Insights** | Strategy & Planning (SIOP) | Blue Origin

* Collaborated with backend developers to implement, improve, and improve API nodes for MRP.
* Supported DevOps with schema audits, suggesting improvements, refining processing speeds and data integrity.
* Design high-performance reports and interactive dashboards to improve production and supply chain alignment.
* Proactively find opportunities for improvement and enhance communication through actionable metrics.
* Support SIOP projects by performing detailed analysis and building metrics to offer enhanced insights.
* Developed Material report, addressing the absence of an MRP and generated actionable messages for planning.

October 2022 – January 2023

**Business Intelligence Analyst** | Global Supply Chain | SAFRAN Headquarters | Huntington Beach | C.A | 92647

* Streamlined global reporting by parsing data from various ERP systems using AZURE and Power BI.
* Supported KPI standardization and provided updates to LeanDNA (third party MRP), improving metric accuracy.
* Improved and maintained MRP Action Messages, producing actionable reports across departments.
* Customized SQL reports to enhance planning, inventory, purchasing, finance, and management functions.
* Reported material shortages with actionable plans to highlight critical shortages & showed risk.

Jan 2021 – Jan 2022

**Business Intelligence Analyst** | Aftermarket Supply Chain | SAFRAN Cabin | Garden Grove | C.A | 92841

* Conducted Sales & Operations Planning (S&OP) analysis using statistical methods to improve safety stock.
* Designed Material Requirements Plan (MRP) reports for aftermarket facilities, enhancing efficiency (no MRP).
* Participated in greenbelt projects, providing analysis to drive improvements.
* Maintained KPI metrics to monitor Action Messages through actionable reports generated in SQL.
* Customized SQL reports & Power BI Dashboards per request for supply chain, production & finance department.

Nov 2019 – Jan 2021

**Business Intelligence Analyst** | Aftermarket Galleys US | SAFRAN Cabin | Huntington Beach | C.A | 92647

* Automated Supply Chain & Project KPIs by publishing them using Enterprise CyberScience (eCQ).
* Developed Action Message queries for Purchased & Manufactured parts using eCQ.
* Participated in Greenbelt projects & provided statistical analysis.
* Supported planning with actionable reports and risk metrics to mitigate aging orders.
* Provided inventory reports for cycle counts and transaction backlogs.
* Provided purchase orders statuses to procurement and identified orders late to demand.

November 2018 – October 2019

**Manufacturing Planner II** | Retrofit & R&D | Safran Galleys US | Huntington Beach | C.A | 92647.

* Generated MRP reports using Enterprise CyberQuery (eCQ), automating manual processes.
* Monitored inventory transactions, ensuring traceability and accuracy.
* Balanced procurement quantities, reducing over-purchasing and lead-time risks.
* Conducted make vs buy analysis to improve cost and resource allocation.

January 2018 – November 2018

**Process Planner** | Machine Shop & Routers | SpaceX | Hawthorne | C.A | 90250.

* Utilized Factory Scheduler Board to strategize machining resource capacity for the week/month & prioritize.
* Maintained visibility on Resource allocations and ensured accountability to prevent stagnation of projects.
* Released Tier 1|2|3 & Flown Work Orders according to demand and production needs.
* Published Tableau reports such as inventory movements and production schedules to maintain visibility.
* Performed Lead Time studies on takt times vs Industrial Lead Times to improve Est Labor Hour assignments.

June 2015 – January 2018

**Production Coordinator** | Advanced Composites Integration | SpaceX | Hawthorne | C.A | 90250

* Coordinated with planners, buyers, receiving, QA, MRB and Outsourcing to facilitate production flow.
* Fulfilled production demand, identified shortages, and provided WIP statuses.
* Redline WO to modify operations in accordance with production standards (remove/replace).
* Controlled flight and flown work orders based on priority and shop capacity.
* Processed fulfillment requests and tracked shortages for Outsourcing production.
* Performed trace analysis on completed assemblies to audit material transactions.

December 2013 – June 2015

**Inventory Specialist |** Main Inventory Control | SpaceX | Hawthorne | C.A | 90250.

* Developed an inventory audit process to control serialized part and improve proper packaging of hardware.
* Maintained 95% inventory accuracy as a department (Main Inventory Control.)
* Cycle counted parts daily and reconciled discrepancies systematically.
* Audited part transactions to ensure proper Lots/Revisions & serializations were issued as per request.
* Fulfilled inventory requests in a timely manner having a sense of urgency.

**Education:**

Certificate: Full-Stack Web Development (2024)

* University of Central Florida, Orlando, FL

“*You're only as good as the code you can write and interpret.*” – *Professor Leif*

Bachelor of Science: Business Information Systems (2014 - 2018)

* University of Redlands, Redlands, CA