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
- o Collaborated with backend developers to implement, improve, and improve API nodes for MRP.
- o Supported DevOps with schema audits, suggesting improvements, refining processing speeds and data integrity.
- o Design high-performance reports and interactive dashboards to improve production and supply chain alignment.
- o Proactively find opportunities for improvement and enhance communication through actionable metrics.
- o Support SIOP projects by performing detailed analysis and building metrics to offer enhanced insights.
- o 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
- o Streamlined global reporting by parsing data from various ERP systems using AZURE and Power BI.
- o Supported KPI standardization and provided updates to LeanDNA (third party MRP), improving metric accuracy.
- o Improved and maintained MRP Action Messages, producing actionable reports across departments.
- o Customized SQL reports to enhance planning, inventory, purchasing, finance, and management functions.
- o 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
- o Conducted Sales & Operations Planning (S&OP) analysis using statistical methods to improve safety stock.
- o Designed Material Requirements Plan (MRP) reports for aftermarket facilities, enhancing efficiency (no MRP).
- o Participated in greenbelt projects, providing analysis to drive improvements.
- o Maintained KPI metrics to monitor Action Messages through actionable reports generated in SQL.
- o 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
- o Automated Supply Chain & Project KPIs by publishing them using Enterprise CyberScience (eCQ).
- o Developed Action Message queries for Purchased & Manufactured parts using eCQ.
- o Participated in Greenbelt projects & provided statistical analysis.
- o Supported planning with actionable reports and risk metrics to mitigate aging orders.
- o Provided inventory reports for cycle counts and transaction backlogs.

    o   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