Alexander Volkov

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**Professional Summary:**

Experienced data analyst and innovative full-stack developer student with a background in the aerospace industry. Proficient in developing enterprise-scale applications and optimizing data pipelines within production and emerging data environments. Skilled with RDBM and APIs, I create data-driven applications and dashboards utilizing SQL, JavaScript, CSS, HTML5, Python, Tableau, Ignition and various frameworks. Passionate about leveraging AI to enhance enterprise efficiency, I integrate data analysis into applications and web development to deliver projects from ideas to execution.

**Technical Skills:**

Frontend: JavaScript | CSS | HTML5 | PHP | jQuery | BootStrap | AJAX | SASS | Python | Jython | API

Backend: SQL | MySQL | eCQ | MongoDB | Express | React | Node | Handlebars | Firebase | AWS | Redis | Gulp

Deployment: GitHub | Docker | Tableau | Ignition | PowerBI

**Projects:**

2019 | WeatherApp | Author | Weather application that provides current and future forecasts in cities.

2017 | FlipCards | Designer | Test the viewer’s coding knowledge in diverse languages using virtual flashcards.

**Work Experience:**

January 2023 - Present

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

* Develop and optimize data pipelines using SQL, HTML5, CSS ensuring data flow meets requests via ticketing system.
* Design high-performance reports and interactive dashboards to improve production and supply chain alignment.
* Proactively identify opportunities for improvement and enhance communication through actionable metrics.
* Support SIOP projects by performing detailed analysis and building metrics to provide enhanced insights.
* Developed Material Requirements Planning (MRP) reports, addressing the absence of MRP definition and generating actionable messages.

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 PowerBI.
* Supported KPI standardization and provided updates to LeanDNA (3rd 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 & identified 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 optimize safety stock.
* Designed Material Requirements Plan (MRP) reports for aftermarket facilities, enhancing efficiency (no MRP).
* Participated in greenbelt projects, providing analysis to drive for improvements.
* Maintained KPI metrics to monitor Action Messages through actionable reports generated in SQL.
* Customized SQL reports & PowerBI 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 optimize 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 & TraceIDs were issued as per request.
* Fulfilled inventory requests in a timely manner having a sense of urgency.

**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.”

**Education:**

Certificate: Full-Stack Web Development (2024)

* University of Central Florida, Orlando, FL

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

* University of Redlands, Redlands, CA