Kumar Abhinav

Business Data Analyst

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| **Core Technologies & Skills**  **Data Analytics & Business Intelligence:**  SQL, Tableau,  Advanced Excel  Data Cleaning  ETL Pipelines  Reporting Automation  KPI Tracking  Dashboard Development  Data Visualization  **AI & Machine Learning:**  Agentic AI, Data Mining  Time Series Forecasting | Seasoned Data & Analytics professional with 10+ years of experience accessing and aggregating large, raw data sets to uncover actionable insights, automate analytics solutions, and enhance supply chain and procurement outcomes. Demonstrated success leveraging Tableau, SQL, Excel, and AI/ML techniques to drive strategic decision-making, build best-in-class dashboards, and mentor cross-functional teams. Adept at data governance, predictive analytics, and delivering high-impact presentations to senior leadership.  **Career Highlights**   * **AI & Automation Mastery (LinkedIn):** Engineered AI-powered APIs using Python/FastAPI to automate IT ticket resolution via ServiceNow-JIRA integration, migrated a fragmented Java chatbot backend to a unified Python architecture, and orchestrated fault-tolerant workflows with Temporal—cutting resolution times by up to 45% and slashing operational overhead. * **Cutting-Edge Analytics & Cost Optimization (RFXCEL):** Spearheaded the launch of a next-gen supply chain dashboard for the Kingdom of Bahrain, leveraging a secure SQL-to-Elasticsearch pipeline to reduce data latency by 50% and boost efficiency by 25%. Deployed predictive models that enhanced supplier performance by 30% while streamlining operations and driving a 15% reduction in expenses. * **Global Supply Chain Transformation (VVF India Limited):** Revolutionized inventory management and production processes through data-driven analytics and automation, cutting global inventory by 25% and manufacturing losses by 22%,. |

**Work Experience**

**LinkedIn** | **Sr. Software Engineer (Contractor)**, Mountain View, CA. October 2024 to Present

In this role, I develop and deploy AI-driven automation solutions using Python and FastAPI to enhance internal operations. By modernizing legacy systems, integrating data sources, and improving process efficiency, I reduce manual intervention and improve system resilience, all of which contribute to a more streamlined and scalable infrastructure.

**Specific projects:**

* **API Development & Integration:** Integrated ServiceNow and JIRA to build an AI-driven automation solution that analyzes IT tickets, mines internal knowledge bases for solutions, and auto-closes confirmed ticket improving MTTR by ~40-45%, lowering operational costs by 30 -35 %.
* **Backend Migration of Internal Chatbot:** Led the complete migration of internal chatbot backend layer from Java to Python, consolidating multiple fragmented codebases into a single, streamlined architecture. This transition improved operational efficiency by 35-40% and resulted in significant cost savings $ X k by reducing the need for additional engineering resources and enabled the decommissioning of three Java-based VMs, reducing infrastructure overhead
* **Daemon Orchestration with Temporal:** Migrated legacy background daemons to Temporal for fault-tolerant, stateful workflows. This significantly reduced downtime, enabled automatic retries, and provided improved visibility via the Temporal Web UI. The new orchestrated approach minimized manual intervention and streamlined operational overhead.
* **Chatbot Package Optimization & Build Time Reduction:** Refactored the Grogu internal chatbot backend by removing 45% redundant dependencies, reducing package size by 45%, which accelerated build times, lowered infrastructure costs, and eased engineering workload.

**RFXCEL** | **Tech Lead – Business Analyst & Data,** San Ramon, CA, May 2023 – Dec 2024

After leaving VVF India Limited to pursue an M.S. in Business Analytics, I joined RFXCEL as a summer intern, where my impactful contributions led to a full-time offer. In my role as Tech Lead – Business Analyst & Data, I spearhead data-driven initiatives, architect scalable ETL pipelines, and develop real-time analytics solutions that enhance decision-making, streamline operations, and drive business efficiency.

**Specific projects:**

* **Analytics System Design & Implementation:** Designed and implemented a supply chain analytics dashboard for the Kingdom of Bahrain their largest revenue client. Overcame ambiguous requirements by architecting a secure pipeline to migrate critical SQL data (large, raw data sets) to an Elasticsearch-backed NoSQL system. Reduced data retrieval latency by 50% and improved operational efficiency by 25%, while coordinating cross-functional offshore teams and driving effective change management for smooth adoption & to scale data-driven capabilities across departments.
* **Advanced Data Analytics & Business Insights:** Led data-driven analytics using Python, SQL, Tableau, and Generative AI to develop predictive models for supplier performance. Delivered actionable insights to key clients boosting supplier efficiency by 30% and reducing manual processing workload by 40%, thereby enhancing decision-making and reporting accuracy.
* **Operational Cost Data Analysis:** Conducted a profitability analysis employing innovative cost-saving strategies, including migrating from Windows to Linux and moving six-year-old data to cold storage. These measures cut operational expenses by 15%, boosted system performance by 10%, and improved financial stability through optimized resource allocation.
* **AI-Driven Automation for Supplier Intelligence & Cost Optimization:** Deployed a Generative AI tool for real-time SQL database querying, eliminating manual supplier data retrieval and reducing ticket resolution time by 35-40%. Automated DSCSA compliance data management, thus enhancing operational efficiency and resource allocation.
* **Public API Development for SAP Integration:** Developed a Java-based public API for AbbVie’s Luprolink platform to automate data processing between their SAP system and internal databases, introducing a new revenue-generating product. Eliminated manual order creation and enabled real-time data synchronization, this solution accelerated order processing by 30%.

**Vvf India Limited** | **Manager** **Data Analyst** - **Supply Chain**, Mumbai, India. Dec 2017 to Aug 2022

Led high-impact supply chain analytics initiatives that optimized inventory management, cost efficiency, and compliance, successfully passing McKinsey internal audits. Spearheaded SAP GST implementation, achieving seamless process automation across procurement, manufacturing, and finance.

**Specific projects:**

* **GST-Ready SAP Implementation:** Led the end-to-end SAP implementation to comply with new GST regulations, streamlining purchase orders, invoicing, and cash flow management for on-time and fully compliant deployment.
* **Strategic Sourcing & Procurement:** Collaborated with procurement teams to create advanced analytics frameworks, reducing global inventory by 25% and manufacturing losses by 22%.
* **Manufacturing Cost Analysis & Efficiency Gains**: Developed predictive analytics models (Python, regression) to detect and eliminate inefficiencies in production workflows. This initiative cut manufacturing losses by 22%, saving $X million annually.
* **Demand Forecasting & Resource Planning**: Enhanced forecasting accuracy by 20% through historical data modeling, market trend integration, and supplier constraint analysis. Implemented Excel Solver-driven scenario planning, minimizing stockouts and optimizing resource allocation.

**Early Career: India Power Limited, Bajaj Energy Limited, Abhijeet Projects Limited, Airox Nigen.** Apr 2009 – Nov 2017Various Locations

* Roles spanning data analysis, business development, and project management. Strengthened collaboration skills and laid a foundation in procurement analytics, forecasting, and stakeholder alignment.

**Skills**

**Functional:** Data Analysis, Dash Boarding, Data Governance, Data Quality Assurance, Data Optimization, Process Mapping, Delivery Presentation, Agile, SDLC, Jira, Git

**Technical:** Python, Java, FastAPI, MySQL, Elasticsearch, Kibana, Tableau, Advanced MS Excel, Langchain, Azure, Alteryx (conceptual)

**Education and Academic Background**

**California State University East Bay**, Hayward, CA

**M.S. in Business Analytics**, Aug 2022 to Dec 2023

**Sathyabama Deemed University** Chennai, India

**B.Tech. in Chemical Engineering (Major),** Aug 2005 - April 2009

**Computer Science & Engineering (Elective)** Aug 2006 – April 2009