Robert Blue

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Data Scientist

A recent Data Science Master's graduate with over 13 years of experience in oil and gas with 6 years in data analytics and data management practices and managing teams in Agile methodology. Key strengths include detailed oriented data practices, client-facing communications, stakeholder engagement, cross-functional team management, and a strong analytical focus.

**WORK EXPERIENCE**

**XponentL**

**Staff Technical Product Manager** *01/2024 – 05/2024*

* Led a cross-functional team in overhauling a data pipeline for a client, encompassing 120+ KPIs across supply chain, sales, HSE, and finance, leading to improved data integrity and operational efficiency.
* Developed a strategic project timeline and business plan, aligning technical deliverables with client objectives and fostering collaboration between internal teams and external stakeholders to ensure seamless project execution.
* Directed the technical design and implementation of a data schema in Databricks, including the development of a robust data model and architecture integrated with user-friendly front-end UI elements, enhancing data accessibility and decision-making processes.
* Utilized Python within Databricks to implement and optimize data processing functions and analytics, significantly improving the efficiency of data operations and enabling advanced predictive analytics capabilities.
* Demonstrated leadership in coordinating with key stakeholders, ensuring project alignment with business goals, and leveraging technical expertise to enhance data analysis capabilities and user interface design.

**BP**

**Data Manager Technical Lead** *09/2022 – 01/2024*

* Spearheaded the gathering and analysis of well classification data, driving the creation of Power BI dashboards that enhanced data quality metrics and insights which boosted the visibility and utilization of the data product by 30% across all product disciplines.
* Consistently exceeded performance metrics by improving well and wellbore data quality from >40% to 95% in six months, employing data validation using SQL and Databricks.
* Utilized Python and SQL notebooks within Databricks to create scheduled jobs, automating data workflows and ensuring timely updates and maintenance of datasets, which significantly enhanced operational efficiency and reliability of data-driven insights. • Implemented Kanban and Scrum to facilitate greater efficiency in the improvement of data quality to improve trust and reliability in source data for stakeholders.
* Served as the go-to machine learning SME, guiding teams through their ML projects and demystifying complex concepts, ensuring robust model development, and fostering a deeper understanding of the domain across the organization.
* Leveraged advanced machine learning algorithms, including regression analysis and XGBoost, to develop high-precision classification models that streamlined the analysis of extensive datasets, resulting in significant time savings and accelerating the company's decision-making process by several months.

**Corva**

**Senior Data Analyst and Project Manager/Lead** *01/2019 - 09/2022*

* Leveraged Google Cloud Dataflow in tandem with Python libraries such as Pandas, NumPy to extract, analyze, and visualize raw data for downstream utility.
* Played a pivotal role in a rapidly scaling startup, growing from 30 to 350+ global employees, by spearheading data acquisition initiatives and streamlining customer onboarding processes, ensuring seamless integration and optimization for data science applications.
* Utilized extensive oil field experience to innovatively address technical challenges, streamline client workflows, and impart specialized knowledge as the SME for WITSML and drilling data acquisition systems.
* Implemented and managed company Intercom for customer interaction and developed NSAT system for tracking customer satisfaction metrics
* Served as the key liaison between operational teams and external data acquisition companies, ensuring seamless communication and integration of services to optimize project efficiency and client satisfaction in the oil and gas sector.

**Bellwether Technology**

**Systems Engineer** *02/2017 - 12/2018*

* Led a critical project as the on-site escalation engineer, leveraging data-driven strategies and tracking key business metrics to address technical issues for a vast user base of 1400.
* Utilized data analytics to streamline device management and enhance operational efficiency for 450 mobile devices across the nation using VMWare, ensuring optimal performance and insights from both Apple and Android platforms.
* Established and analyzed hardware deployment metrics and built a data-driven solution, strategically optimizing resource allocation for 15 remote locations spanning the Gulf Coast and Northeast US.

**Halliburton**

**Data Engineer** *08/2016 - 02/2017*

* Analyzed and interpreted geological and mechanical data from offshore oil drilling operations in the Gulf of Mexico, leveraging technical and domain expertise to optimize performance and predict operational trends.
* Managed and ensured the integration of complex proprietary systems like WITS software and Profibus hardware/software, emphasizing data flow and connectivity for real-time analytics and insights.

**Baker Hughes**

**Data Engineer** *06/2012 - 08/2016*

* Led a data-driven team of three, utilizing real-time analytics to monitor, troubleshoot, and enhance technical systems for deep water drilling operations around the clock.
* Applied data analytics to redesign training systems, achieving a 45% boost in fieldwork efficiency and a 35% cost reduction through optimized cross-training opportunities.

**EDUCATION & CERTIFICATIONS**

# *Master of Science (2024)*

Data Science – *Southern Methodist University*

# *Bachelor of Science (2011)*

General Studies – *Louisiana State University*

*Certified Scrum Product Owner – Scrum Alliance (ID 1508140)*

*Certified Scrum Master – Scrum Alliance (ID* *1499874)*

**SKILLS**

Python (NumPy, Pandas, Scikit)

Tableau and Power BI

Statistical Analytics and Modeling using R and SAS

SQL

Machine Learning Modeling and Analysis (Clustering, Classification, Algorithm Building)

Project Management using Scrum and Kanban

Databricks

AWS and Azure Backends