Sami Eldaw

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PROFILE SUMMARY

Dedicated and results-driven Data Analytics Engineer with expertise in Data Engineering, Data Analytics and Data Science. Experienced in interpreting and analyzing data in order to drive successful business solutions. Creative in finding solutions to problems and determining modifications for optimal use of organizational data. Seeking to obtain a position that utilizes my data analytical skills, problem solving, technical experience, leadership and interpersonal skills.

TECHNICAL PROFICIENCIES – Tech Stack

- Programming Language: Python (pandas, scikit-learn, tensorflow, pytorch, pyodbc), R (tidyverse, Dplyr, GGplot2, shiny), SQL , C, C++, VBA, APIs (REST, GRAPHQL), Virtualization, containerization.
- Database Management system design and implementation, Data modelling, Data Validation.
- Data analytics tools: PowerBI, Tablue, JMP SAS
- Azure functions apps, azure virtual machines
- Expert on oil and Gas data handling/manipulation software and wellsite data transfer protocols .
- Windows, Linux, Advanced Ms Office, Project, Visio, Adobe suite.
- Electrical Engineering tools (Matlab, Pspice simulator, AutoCAD)

PROFESSIONAL EXPERIENCE

Customer Solutions Data Engineer   2022 - Present
Datagration | Houston, TX

- Develop data process models, in addition to implementation of sourcing, loading, transformation, and extraction.
- Map data between source systems, data warehouse and data lakes.
- Consult with users, management, and technicians to assess requirements to implement data models and structure data in ready-for-business consumption formats.
- Understand and work with many data types including relational, historian and SCADA.
- Identify, design, and implement internal process improvements, including automating manual processes, optimizing data delivery, and data quality checks.
- Create and optimize visualizations of data in Power BI.
- Become the subject matter expert of the Implementation process and Deliver superior Customer training and onboarding
- Participate in mentoring junior team members

Systems and Data Engineer   2018 - 2022
Halliburton | Houston, TX

- Responsible of design and implementation of a database management system for new products acquired data by streamlining overall data aggregation and gathering to organize field test data from different data sources to create uniform data base.
- Responsible of analyzing the data to drive useful insight by implementing necessary data analytics and machine learning techniques
- Develop data visualization system and a dashboard
- Work closely with various teams across the company to analyze data and identify issues with new products, collect and document business requirements, create and implement validation test plans for new products of downhole drilling tools.
- Perform performance measurements, and field data analysis to provide recommendation to the leadership for improvements.
- Work across multi-disciplinary team of Mechanical/Electrical/Firmware Engineers during the design and testing phase. Validate new device features and test methodologies, and implement them in the production flow.
- Manage the introduction of the new technologies to various locations worldwide and validate new technology and give the green light for commercialization.
- Manage development life cycle for new products including Over the air updates.

Consultant Measurements Field Engineer   2017 - 2018
Weatherford | Houston, TX

- Performed measurement and logging services for various service companies. Rigged up and performed pre operation tests on all survey tools and equipment on drilling location sites.

Senior Technical Account Manager   2015 - 2016
Churchill Drilling Tools | Houston, TX

- Performed technical sales of downhole drilling tools and communicated with clients orally and in writing to address client objectives, requirements, and expectations from the drilling tools.
- Provided strategic planning, consulting and advisory on the use, deployment, and support of the products. Maintained a database of product performance from various locations.

- Recommended new technology or adjustments to existing systems, software, and vendors to satisfy clients' needs and future capacity requirements.
- Prepared and delivered technical presentations to explain products and services to customers. Analyzed data from public databases for business intelligence and sales insight (open drilling permit data).
- Introduced tools and processes which resulted in improvement in efficiency. Provided technical troubleshooting and problem solving for clients with installed equipment/system issues.
- Managed and provided mentoring and technical support to a team of two account managers and a sales admin.

Engineering Coordinator   2012 - 2014
Schlumberger Oilfield Services | Port Gentil, Gabon
- Responsible for the management of field personnel and crew. Coordinated allocation to rigs and tasked with the overall supervision of job execution cycle.
- Functioned as the sales engineer for the location, responsible of selling advanced LWD services and tools. Utilized customer relation management (CRM) to effectively manage and analyze customer interactions.
- Developed mass update system to avoid manual updates to data warehouse. Ensured data accuracy through the creation and implementation of data integrity queries.
- Validated and performed quality control on LWD well logs, end of well reports and Final Surveys against company's and client's quality and data security standards.
- Directed weekly cross-functional team meetings as part of the forecast, inventory, and sales operations continuous improvement process. Interacted daily with clients in meetings to discuss drilling and logging requirements.

Senior Measurements While Drilling / Logging While Drilling (MWD/LWD) Field Engineer   2007 - 2012
Schlumberger Oilfield Services | Dhahran - Saudi Arabia
- Acquired and transmitted to surface downhole measurements and surveys.
- Produced and delivered Formation Evaluation Logs to clients at the well site using MWD/LWD tools, utilizing mud pulse telemetry, Gamma Ray, Density, Neutron Porosity, Resistivity, Acoustics, Imaging, and Formation pressure sampling.
- Prepared, operated, and troubleshoot MWD data acquisition surface systems.
- Installed and configured surface sensors (pressure, tension, optical encoders, digital counters…) and program logging tools. Configured surface acquisition system computers, signal acquisition modules, and computer network.
- Received Client Appreciation letters for flawless execution of trilateral wells in Abqaiq SAUDI ARAMCO and quad lateral wells in Shaybah SAUDI ARAMCO.
- Firstly introduced and modified SADN (Stabilized Azimuthal Density – Porosity Tool) in the 12'' section for SAUDI ARAMCO operations, Best Project award in Saudi/Bahrain Geomarket for 2012.

EDUCATION

University of Khartoum   2006
Bachelor of Science in Electrical and Electronics Engineering
B.S.C graduation thesis:
Short circuit study for Khartoum electrical grid
Developed a C++ application used in modelling and analyzing the city's electrical grid data for short circuit level determination.
University of Houston-Downtown   Graduation 2023
Master of Science in Data Analytics
Courses taken: Stat. Found. for Data Analytic, Prog. Found. for Data Analytic, Data Mining (Machine Learning with R and Python), Database Management Systems, Multivariate nonparametric statistical tests of hypotheses, Data visualization with Tableau, Big Data analytics with Hadoop and Spark, Time Series analysis, Introduction to Artificial intelligence
Overall GPA : 4.0

CERTIFICATION AND TECHNICAL SEMINARS
- **Data Analytics Certification: University of Houston – Downtown**
- **Upstream Energy Data Analytics:** Bronze Belt: completed 3 bronze badges: Data Processing & Machine Learning: , Model Evaluation & Clustering, Alternate Machine Learning Algorithms