FRANCOISE **ELIS MBAZOA OKALA**

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Summary

Highly motivated and detail-oriented software engineer and data analyst with a strong academic background and hands-on experience in developing efficient software solutions and analyzing large datasets. Proficient in Python, JavaScript, SQL, and Tableau, with practical exposure to machine learning, data pipelines, and cloud technologies. Proven ability to collaborate in teams, continuously learn, and apply technical skills to solve complex problems. Eager to contribute to innovative projects and grow in a dynamic entry-level role in software engineering or data analysis.

Skills

- Programming Languages: Python, SQL, JavaScript, R
- Databases: MySQL, PostgreSQL, MongoDB, SQLite
- Big Data & Cloud Tools: Apache Hadoop, Apache Spark, Kafka, AWS, GCP
- Data Analysis & Visualization: Tableau, D3.js, Seaborn, Matplotlib, Pandas
- Machine Learning: TensorFlow, scikit-learn
- ETL & Data Pipelines: Expertise in designing and implementing ETL pipelines
- Software development: HTML, css, JavaScript

- Data manipulation: Excel, VBA, Python
- Problem-Solving: Strong ability to troubleshoot complex issues
- Analytical Thinking: Excellent at interpreting data and identifying patterns
- Communication: Clear and concise communicator with technical information
- Team Collaboration: Experience working in cross-functional Agile teams
- Adaptability: Quick to learn and apply new technologies and processes
- Attention to Detail: Committed to delivering high-quality outcomes

Projects

1. Software Engineering Project
GitHub Link: https://github.com/okalis05/DATA-ENGINEERING-PROJECT.git
- Developed a software solution to handle data ingestion and processing pipelines for structured datasets.
- Implemented data validation and transformation logic to ensure data consistency and reliability throughout the pipeline.
- Collaborated with various tools and technologies for data management, including SQLite3 for database integration and Python for backend processing.
- Tools used: Python, SQLite3, Spark

2. Machine Learning Election Prediction
GitHub Link: https://github.com/okalis05/Project4.git
- Designed models to predict election outcomes with an initial accuracy of 60% using historical data.
- Developed a Keras-Tuner algorithm to optimize the model performance, improving accuracy score to 70%.
- Presented project results to classmates and instructors, receiving positive feedback for clarity and analytical rigor.
- Tools used: Scikit-Learn, Python, PySpark, TensorFlow.

3. Stock Data Analysis and Visualization
GitHub Link: https://github.com/BezaAbebe/Stock_project_1.git
- Collaborated with peers to Analyzed stock market data and built interactive dashboards in Tableau, providing clear visual insights for data-driven decision-making.
- Improved data reliability by 25% through the cleaning and processing of raw datasets.
- Successfully collaborated with team members, enhancing the presentation of insights to our audience

4. Crowdfunding ETL Workflows
Github Link: https://github.com/okalis05/Crowdfunding_ETL.git
- Designed and implemented an ETL pipeline to extract, transform, and load data into a SQL database.
- Automated data extraction, performed data cleaning and transformation, and loaded the processed data into

SQL database for analysis.
- Tools used: Python, SQL.

Experience

Security Officer   **01/2022 to Current**
Allied Universal Security
- Spearhead daily reporting of incidents, compiling comprehensive details of observations and surveillance footage for managerial review, driving decision making leading to 0% incident occurrences.
- Delivered exceptional 'White Glove' customer service to over 200 clients daily, resulting in a 95% satisfaction rate.
- Identified and diffused potential disruptive behavior through strategic observation and swift action, improving incident resolution efficiency by 90%.
- Led a team in maintaining a safe environment via proactive patrols, strict access control, and effective monitoring of equipment, contributing to a 99% decrease in security breaches.

Delivery Service Provider   **01/2019 to 01/2022**
Amazon
- Executed 150+ daily deliveries with a 100% on-time delivery rate, while adhering to all traffic laws and safety regulations.
- Fostered clear and efficient communication with customers and administrative teams, ensuring seamless service delivery.
- Optimized route planning, reducing delivery time by 10% and contributing to a 5% improvement in overall customer satisfaction ratings.

Education

Data Analytics Certificate   **08/2024**
Georges Washington University
- Focused on data analysis techniques, machine learning, and big data management.

Certifications

- **CSS Basics Certificate** (EDX Learning Platform)
- **HTML5 and CSS Fundamentals Certificate** (EDX Learning Platform)
- **Data Literacy Foundations Certificate** (EDX Learning Platform)
- **Data Processing and Analysis with Excel Certificate** (EDX Learning Platform)
- **Data Representation and Visualization in Tableau Certificate** (EDX Learning Platform)

References

References available upon request.