

Skills

- SQL (SQL Server, MySQL, PostgreSQL)
- Python (Pandas, NumPy, SciPy, Matplotlib)
- Tableau
- Excel (VLookup, Conditional Formatting, Pivot Tables)
- Cloud computing (AWS and Google cloud)
- PySpark
- Microsoft Power BI
- Machine Learning (Regression, clustering, and classification)
- Statistics
- Data Processing (cleaning and transforming data)
- Domain Knowledge
- Problem-Solving
- Proficient in using GitHub for version control
- AWS Services Knowledge
- Customer Support
- Linux and Windows Administration
- Networking Skills and knowledge (TCP/IP, DNS, and routing)
- Business Analytics
- Snowflake
- Data Visualization
- Metabase
- Collaboration
- Communication
- Documentation and reporting
- Project Management
- Data warehouse
- Requirement Gathering
- Odoo ERP: System Configuration, Customization, Solution Design
- Project Management: Planning, Coordination,
- Documentation, Stakeholder Engagement
- Apache (Hadoop, Spark, Kafka, HBase, Superset)

Summary

I am a passionate Data Analyst with a solid technical background, and my mission is to turn complex data into actionable insights that drive business decisions. With a Computer Science degree and extensive experience working in various data-intensive roles, I have honed my skills in SQL, Python, Power BI, Tableau, and Cloud Computing. One of my key strengths is bridging the gap between technical data analysis and business strategy. I have a proven track record of designing and implementing data systems, conducting comprehensive data analysis, and presenting findings in a clear, understandable manner to both technical and non-technical stakeholders. In my role as a Swahili Data Analyst, I have been able to combine my language skills with my technical abilities to provide unique insights into the realm of online hate speech control and child safety. I have also demonstrated my ability to design and manage databases during freelance projects. I strongly believe in data's power to drive change and solve complex problems. My enthusiasm for data analysis extends beyond the professional sphere - I regularly undertake personal projects to explore new data sets and further develop my skills. In addition to my technical abilities, I am a strong team player, problem-solver, and project manager. I am confident in my ability to oversee projects from inception to completion, ensuring that all data analysis and reporting are accurate, timely, and meet stakeholder requirements. As a lifelong learner, I always seek new challenges and growth opportunities. Whether diving into a new dataset, learning a new programming language, or tackling a complex business problem, I'm always ready to roll up my sleeves and work. Feel free to connect with me for opportunities or if you want to chat about data analysis!

Work Experience

DATA ENGINEER & DATA ANALYST – Agile Business Solutions Limited

June 2024 - Current

- Collaborating within an Agile team environment to design, develop, and maintain robust data pipelines that

support various business applications.

- Utilizing relational database management system to manage and optimize relational databases, ensuring high performance, security, and data integrity.
- Implementing data transformation and cleaning processes to ensure the accuracy and consistency of data used across multiple systems and platforms.
- Developing and maintaining ETL processes to ingest data from multiple sources, including APIs and internal databases, into data warehouses and lakes.
- Working closely with stakeholders to gather requirements, design data models, and create scalable data solutions that meet business needs.
- Monitoring and troubleshooting database performance issues, applying advanced tuning techniques to optimize query performance and reduce latency.
- Automating data quality checks and validation procedures to reduce errors and ensure the reliability of data across all platforms.
- Providing mentorship to junior engineers and collaborate with cross-functional teams to enhance overall data infrastructure and analytics capabilities.
- Document data workflows, pipelines, and processes to ensure knowledge transfer and facilitate ongoing system improvements.
- Documentation: Created detailed documentation of business requirements, processes, workflows, and use cases.
- Designing and implementing large-scale data processing systems using Apache Hadoop on Linux, optimizing for performance, scalability, and reliability.
- Configuring and managing various Apache tools such as Apache Hive, Apache Kafka, and Apache HBase to support complex data workflows and streaming data pipelines.

Gap Analysis: Conducted gap analysis to compare current business processes with Odoo

SWAHILI DATA ANALYST – ACTIVE FENCE – Tel Aviv, Israel

January 2022- January 2024

- Collecting data in the Swahili language from various sources such as social media, surveys, and other online platforms
- Preparing reports and presenting data findings to stakeholders, including management, clients, or other team members
- Being proficient in using various data analysis tools and technologies such as Excel, Google Sheets, Python, SQL, and Tableau.
- Managing projects from start to finish, including setting project timelines, milestones, and budgets
- Working closely with other team members to ensure that data analysis and reporting are accurate, timely, and meet stakeholder requirements
- Collaborated with a team to create a Google Sheets dashboard to track and visualize project progress and data metrics
- Set up and managed an AWS instance to store and process data for a project on political sentiment analysis
- Translated hundreds of Swahili text data for the hate speech team, enabling the company to control online hate on social media better
- Conducted in-depth research on CSAM on various social media platforms for the Child Safety team, which included collecting qualitative data, categorizing it, and presenting insights to the team
- Collected and analyzed data from social media platforms such as Twitter, Facebook, and Instagram to identify emerging trends in the sextortion of minors

- Collecting data in the Swahili language from various sources such as social media, surveys, and other online platforms
- Preparing data for analysis by cleaning and processing it, such as removing duplicates, handling missing data, and formatting data.
- Translating Swahili data to English or any other required language for effective communication.

ODOO BUSINESS DATA ANALYST – Fiverr Enterprise

January 2019 - December 2021

- Assisted with the collection of data from various sources such as internal databases, external APIs, or public data sources
- Data Collection: Gathered data from internal databases, external APIs, and public sources for comprehensive analysis.
- Data Analysis & Reporting: Analyzed business data reports, identified anomalies, and provided actionable insights.
- Product Consultant: Served as a product consultant to the technical support team and customers, troubleshooting critical issues.
- User Acceptance Testing (UAT): Conducted UATs to ensure client needs were accurately documented and approved by users.
- Requirements Gathering: Collected and categorized business requirements into detailed functional requirements.
- Quality Assurance: Assessed unit tests and QA test cases to ensure all business scenarios were covered.
- Stakeholder Engagement: Collaborated with stakeholders to understand their business needs and objectives.
- Documentation: Created detailed documentation of business requirements, processes, workflows, and use cases.
- Gap Analysis: Conducted gap analysis to compare current business processes with Odoo capabilities, identifying areas for improvement.
- Solution Design: Designed Odoo-based solutions, defining architecture, customizations, and configurations.
- Feasibility Studies: Evaluated the feasibility of proposed solutions in terms of cost, timeline, and technical constraints.
- Project Planning: Developed detailed project plans, including timelines, milestones, and resource allocation.
- Monitoring & Reporting: Tracked project progress, managed risks, and provided regular updates to stakeholders.
- System Configuration: Configured Odoo modules to meet business requirements, setting up workflows, reports, and dashboards.
- Customization Specifications: Defined and documented specifications for custom modules and features, collaborating with developers.
- Testing & Validation: Developed and executed test plans to ensure configurations and customizations met defined requirements and business needs.

DATA ANALYST INTERN – Avery East Africa

January 2019 - November 2019

- Assisted with the collection of data from various sources such as internal databases, external APIs, or public data sources
- Helped to clean and preprocess data to ensure its quality and accuracy.
- Assisted in the development and execution of data analysis plans, including the use of statistical software and programming languages such as Python
- Helped to create data visualizations using tools like Excel, Tableau, or Power BI to communicate insights to stakeholders.
- Assisted in preparing reports and documentation to summarize findings and recommendations.
- Collaborated with other members of the data analyst team and other departments to ensure the accuracy and completeness of data analysis.
- Utilized GitHub for version control and collaboration with team members on multiple software projects.
- Managed pull requests and resolved merge conflicts to ensure code quality and consistency.
- Applied data analysis skills to address customer complaints and support the finance team at Avery East Africa.
- Leveraged data cleaning and text analysis techniques to identify significant customer complaint
- Designed and delivered a linear regression model for enhanced data insights.
- Demonstrated expertise in customer support and problem-solving.
- Utilized AWS cloud services to support data analytics and model deployment.
- Achieved an 88% model accuracy and a 34% lift, showcasing AWS cloud expertise.

DATA MANAGEMENT SPECIALIST – Paytech Limited

January 2019 - December 2019

- Helped to clean and preprocess data to ensure its quality and accuracy.
- Was responsible for ingesting data from various sources like databases, APIs, CSV files, etc.
- Ensuring the data is collected accurately, and any errors or anomalies are resolved before processing.
- Responsible for ensuring data quality. Performing data validation, cleansing, enrichment, and transformation to ensure that data is accurate, complete, and consistent
- Ensured that the organization's data was handled and managed according to established standards, policies, and procedures. This includes maintaining data lineage, documenting data flows, and ensuring data security and compliance.
- Ensured data storage, backup, and archiving. Ensuring that the organization's data is secure, available, and accessible to authorized personnel.
- Working closely with other teams to ensure data availability and integrity.
- Provided technical support and troubleshooting for data-related issues

DATA SPECIALIST – Qawaida Technologies

September 2016 - December 2017

- Spearheaded the creation of a Power BI dashboard, aiding clients in comparing diverse employee benefit packages.
- Performed routine maintenance tasks, such as backups, data archiving, and performance tuning, to ensure that the database operates efficiently and without any errors
- Managed database security by setting up user accounts, assigning privileges, and ensuring data privacy and protection
- Helped design, develop, and implement data models that are efficient and easy to maintain.

- Troubleshoot any issues with the database, including performance, connectivity, and other technical problems.
- Created and maintained technical documentation related to database management, including procedures, policies, and best practices
- Worked closely with other IT professionals, such as software developers, network engineers, and system administrators, to ensure the database was integrated smoothly with other systems and applications.
- Implemented DAX and Excel techniques to transform and process client data, ensuring data completeness and validity.
- Utilized GitHub for version control and collaboration with team members on multiple software projects.
- Offered technical insights to clients, showcasing the potential of fully utilizing their data by introducing innovative technologies.
- Collaborated with clients to identify optimal metrics for display on the final product, aligning with their specific needs and objectives.
- Demonstrated expertise in data presentation and visualization.
- Produced interactive charts, maps, and graphs, empowering stakeholders with insights into key business metrics and trends.

Education

BACHELOR OF COMPUTER SCIENCE – Chuka University – Chuka, Kenya

2015

KENYA CERTIFICATE OF SECONDARY EDUCATION – Maranda High School- Siaya, Kenya

2020

MAJORS: Data Analytics, CISCO, Business Analytics with Excel, Python and data analysis, Introduction to Data Science