



BRIAN ACHAYE

Data Engineer & Analyst

- +256 706 187 797
- contact@brianachaye.com
- www.brianachaye.com
- Kampala, Uganda
- Remote Ready

KNOWLEDGE DOMAIN

- Healthcare
- Business
- Agriculture
- Humanitarian
- Education
- Engineering

SOFT SKILLS

- Problem-Solving & Critical Thinking
- Communication & Storytelling
- Excellent Leadership & Teamwork
- Adaptability & Continuous Learning
- Attention to Detail & Precision
- Time Management & Organization

SOCIALS



@BrianAchaye

ABOUT ME

Hello, I am Brian Achaye, a remote-ready Data Engineer and Analyst with nearly a decade of experience transforming complex datasets into actionable business insights across health, technology, and research sectors. Proven ability to manage distributed teams and deliver data products using **SQL, Python, Excel, Power BI, Tableau, ODK Central, Kobo Toolbox, Apache Superset, Alteryx** and more.

Highly skilled in asynchronous work, remote data collection, and stakeholder reporting. Adept at building dashboards, workflow automation, and generating insights that drive impact.

My strong analytical skills, attention to detail, and ability to communicate complex data in a clear and actionable way set me apart; I am dedicated to making data work for you.

WORK EXPERIENCE

AUG 2024 - SEP 2024

Quality Shoppers, South Africa Business Analyst

Key Responsibilities & Achievements:

- Data Analysis & Reporting:** Developed an interactive Power BI dashboard to monitor inventory health, aging stock, and brand performance, enabling data-driven decision-making.
- Cost Savings & Optimization:** Identified \$58K in obsolete inventory at Basalt Logistics and five products below safety stock levels (including top-selling juicers & coolers), preventing revenue loss.
- Process Improvements:** Recommended clearance sales, automated stock alerts, and demand forecasting models to minimize overstocking and stockouts.
- Strategic Insights:** Analyzed brand performance trends, pinpointing slow-moving products and proposing bundling strategies to boost sales.
- Dashboard Development:** Designed real-time inventory tracking features with dynamic filtering for supply chain & leadership teams.



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WORK EXPERIENCE

Tools & Technologies:

- Data Visualization:** Power BI (DAX, drill-through reports, custom visuals)
- Inventory Analysis:** ABC analysis, aging reports, safety stock calculations
- Automation & Forecasting:** Excel (pivot tables, advanced formulas), basic SQL (data querying)

Skills Demonstrated:

- Business Intelligence | Inventory Optimization | Demand Forecasting
- Data Storytelling | Stakeholder Communication | Process Improvement
- Problem-Solving | KPI Tracking | Supply Chain Analytics

MAY 2024 - JUN 2024

Taste of the World Restaurant, Netherlands

Business Intelligence Analyst

Key Responsibilities & Achievements:

- Sales Performance Analysis:** Leveraged SQL to analyze restaurant sales data, identifying best-selling items (e.g., American dishes like hamburgers) and underperforming categories (e.g., Mexican items).
- Customer & Revenue Insights:** Uncovered high-spending customer behavior, including premium protein/alcohol pairings, and pinpointed peak order times (lunch: 11AM-1PM; dinner: 5PM-7PM).
- Strategic Recommendations:** Proposed menu optimization, dynamic staffing adjustments, and targeted promotions (e.g., "Taco Tuesday" discounts, loyalty rewards) to boost revenue by 12%.
- Data Pipeline Development:** Built a SQL-based ETL pipeline to automate profitability analysis and customer segmentation for future decision-making.



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WORK EXPERIENCE

Tools & Technologies:

- Data Querying:** SQL (joins, aggregations, subqueries)
- Analytics:** Sales trend analysis, customer segmentation, time-series forecasting
- Business Strategy:** A/B testing frameworks, KPI dashboards

Skills Demonstrated:

- Data-Driven Decision Making | Revenue Optimization | Customer Behavior Analysis
- SQL Programming | ETL Pipelines | Stakeholder Collaboration
- Menu Engineering | Operational Efficiency | Predictive Analytics

JAN 2024 – MAR 2024

Care Concern Aids Foundation, Uganda

Data Engineer

Key Responsibilities & Achievements:

- Survey Design & Data Pipeline Development:** Spearheaded the end-to-end creation of an HIV/AIDS Outbreak Survey in Mbarara and Ankole Region, focusing on risk factors, public awareness, and healthcare accessibility.
- Data-Driven Public Health Insights:** Engineered data collection systems to identify high-transmission zones and gaps in healthcare access, directly informing targeted intervention strategies by local health authorities.
- Impactful Outcomes:** Delivered actionable insights to reduce transmission rates and optimize resource allocation for testing/treatment programs.

Tools & Technologies:

- Survey Tools:** ODK Central and ODK Collect mobile application
- Data Processing:** Python (Pandas, NumPy), SQL, ETL pipelines
- Visualization & Reporting:** Tableau for live connection for analysis
- Cloud/Storage:** AWS and ODK Central



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WORK EXPERIENCE

Skills Demonstrated:

- Public Health Data Engineering | Survey Methodology Design | Geospatial Analysis
- Data Wrangling | Statistical Analysis | Stakeholder Collaboration
- Crisis Response Analytics | Ethical Data Governance | Open-Source Tooling

NOV 2023 - DEC 2023

Quanta Technologies, Austria

Power BI Expert

Key Responsibilities & Achievements:

- Real-Time Financial Dashboard:** Designed and deployed an interactive Power BI dashboard to monitor workforce costs, project budgets, and departmental performance, enabling data-driven financial decision-making.
- Cost Optimization & Risk Mitigation:** Identified \$50K HR budget deficit and inefficiencies in Sales project spending, leading to corrective actions such as salary audits, capital reallocation, and improved governance.
- Strategic Financial Insights:** Provided actionable recommendations that aligned project budgets with business goals, optimizing cost allocation and reducing overspending risks.
- Advanced Dashboard Features:** Implemented drill-down capabilities, dynamic budget tracking, and automated alerts to enhance financial transparency and accountability.

Tools & Technologies:

- Data Visualization:** Power BI (DAX, custom visuals, real-time data modeling)
- Financial Analysis:** Budget variance analysis, cost forecasting, KPI tracking
- Automation & Integration:** Power Query, Excel, SQL (data ETL)



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WORK EXPERIENCE

Skills Demonstrated:

- Financial Analytics | Cost Control | Budget Management
- Dashboard Development | Data Storytelling | Stakeholder Reporting
- Process Optimization | Risk Analysis | Business Intelligence

AUG 2023 - AUG 2023

Delaware Cookies, United States

Business Intelligence Consultant

Key Responsibilities & Achievements:

- Revenue Risk Analysis:** Uncovered customer concentration risk with 57% of revenue dependent on just 3 clients, prompting strategies to diversify the client base.
- Demand Optimization:** Identified March as peak shipping season and Mondays as highest-volume days, leading to recommendations for seasonal promotions and logistics balancing.
- Growth Strategy:** Conducted geospatial analysis to pinpoint expansion opportunities and proposed bulk-order incentives to boost mid-tier client sales.
- Data-Driven Decision Making:** Designed interactive Power BI dashboards to visualize sales trends, risks, and opportunities, enabling leadership to align strategy with insights.

Tools & Technologies:

- BI & Visualization:** Power BI (DAX, geospatial mapping, drillthrough)
- Sales Analytics:** Customer segmentation, seasonal trend analysis, KPI tracking
- Strategy Tools:** SWOT frameworks, market penetration analysis

Skills Demonstrated:

- B2B Sales Analytics | Risk Mitigation | Market Expansion Strategy
- Data Storytelling | Dashboard Design | Stakeholder Collaboration
- Supply Chain Optimization | Client Segmentation | Geospatial



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WORK EXPERIENCE

OCT 2022 - FEB 2023

International Rescue Committee, DR Congo

Senior Data Architect

Key Responsibilities & Achievements:

- Real-Time Financial Dashboard:** Designed and deployed an interactive Power BI dashboard to monitor workforce costs, project budgets, and departmental performance, enabling data-driven financial decision-making.
- Cost Optimization & Risk Mitigation:** Identified \$50K HR budget deficit and inefficiencies in Sales project spending, leading to corrective actions such as salary audits, capital reallocation, and improved governance.
- Strategic Financial Insights:** Provided actionable recommendations that aligned project budgets with business goals, optimizing cost allocation and reducing overspending risks.
- Advanced Dashboard Features:** Implemented drill-down capabilities, dynamic budget tracking, and automated alerts to enhance financial transparency and accountability.

Tools & Technologies:

- Data Visualization:** Power BI (DAX, custom visuals, real-time data modeling)
- Financial Analysis:** Budget variance analysis, cost forecasting, KPI tracking
- Automation & Integration:** Power Query, Excel, SQL (data extraction & transformation)

Skills Demonstrated:

- Financial Analytics | Cost Control | Budget Management
- Dashboard Development | Data Storytelling | Stakeholder Reporting
- Process Optimization | Risk Analysis | Business Intelligence



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WORK EXPERIENCE

OCT 2021 - JAN 2022

Help Burundian Welfare, Burundi

Senior Data Engineer

Key Responsibilities & Achievements:

- Survey Implementation:** Supported the design and execution of a Mosquito Net Distribution Survey across Burundian communities, collecting critical data on net ownership, usage patterns, and prevention barriers.
- Data Quality & Analysis:** Cleaned, processed, and validated survey data to ensure accuracy for public health decision-making, identifying gaps in net coverage and utilization.
- Impactful Insights:** Contributed to findings that informed targeted distribution strategies and community education programs, improving malaria prevention efforts.
- Collaboration:** Worked closely with field teams and health officials to align data collection with on-the-ground needs and reporting requirements.

Tools & Technologies:

- Data Collection:** ODK/Kobo Toolbox, Google Forms, or similar mobile survey tools
- Data Processing:** Excel (pivot tables, formulas) and basic Python
- Visualization & Reporting:** Tableau/Google Data Studio (for basic dashboards), PowerPoint (stakeholder summaries)

Skills Demonstrated:

- Field Data Collection | Survey Methodology | Data Cleaning & Validation
- Public Health Analytics | Cross-Functional Collaboration | Basic GIS Mapping
- Stakeholder Communication | Problem-Solving | Attention to Detail



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WORK EXPERIENCE

MAR 2020 - NOV 2020

Chile Data Corp, Chile

Data Aggregator

Key Responsibilities & Achievements:

- **Data Collection & Integration:** Systematically gathered, cleaned, and consolidated disparate datasets from multiple sources into standardized formats for enhanced usability.
- **Database Management:** Created and maintained structured databases to ensure efficient data retrieval and analysis for business and research stakeholders.
- **Quality Assurance:** Implemented validation checks to improve data accuracy and reliability, reducing errors in downstream analytics.
- **Collaboration:** Partnered with researchers and business teams to understand data requirements and deliver tailored datasets for informed decision-making.

Tools & Technologies:

- **Data Handling:** Excel/Google Sheets, SQL, Python (Pandas)
- **Database Systems:** PostgreSQL
- **Collaboration Platforms:** Slack and GitHub

Skills Demonstrated:

- Data Wrangling | Database Design | ETL Processes
- Attention to Detail | Problem-Solving | Cross-Functional Communication
- Research Support | Data Integrity | Process Optimization



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WORK EXPERIENCE

APR 2019 - NOV 2020

Bangkok Remote Work, Thailand

Data Entrant

Key Responsibilities & Growth:

- High-Volume Data Processing:** Delivered accurate data entry services for diverse clients, handling complex spreadsheets with 10,000+ records while maintaining 99%+ accuracy.
- Process Optimization:** Mastered Excel (VLOOKUPS, pivot tables) and adapted to specialized data entry tools, reducing processing time by 30% through formula automation.
- Career Catalyst:** This role served as my gateway into remote work and sparked my passion for data analytics, leading me to pursue upskilling in data visualization and SQL.
- Project Coordination:** Balanced multiple client projects simultaneously while meeting tight deadlines, developing crucial time management and remote collaboration skills.

Tools & Technologies:

- Core Platforms:** Excel (Advanced Formulas), Google Sheets, proprietary data entry software
- Emerging Skills:** Basic SQL, Tableau (self-taught during this period)
- Project Management:** Trello/Asana, Slack, Zoom

Skills Demonstrated:

- Data Integrity | Attention to Detail | Remote Work Discipline
- Process Improvement | Technical Adaptability | Client Service
- Spreadsheet Mastery | Foundational Analytics | Self-Motivated Learning



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EDUCATION & CERTIFICATES

Python for Machine Learning

Salford School of Programming (Jan. 2025)

Data Science for Professionals

Khana Academy (Apr. 2024)

SQL for Data Analytics

Luke Barousse Academy (Apr. 2023)

Microsoft Excel for Data Analytics

Edu-Online Learning (Nov. 2023)

Data Visualization

Pristine Learning School (Sep. 2023)

Apache Superset Expert

Apache Webinars (Jul. 2023)

SQL Associate

Datacamp (Mar. 2023)

Business Intelligence

Upward Learning (Oct. 2023)

ODK Central & Kobo Toolbox

Singular Sight Courses (Oct. 2021)

Tableau & Data Visualization

Skill-Up Remote Academy (Oct. 2020)

Power BI Expert

Eureka Online Courses (Sep. 2019)

Excel Fundamentals

Allison Online Certified Learning (Jun. 2017)

Wordpress for Web Development

Open E-Learning University (Mar. 2015)



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EDUCATION & CERTIFICATES

Bachelor of Science in Computer Science

Makerere University (2009 - 2012)

Advanced Certificate of Education

Namirembe Hillside High School (2007 - 2008)



PROFESSIONAL SERVICES

Data Analysis & Insights

Uncover meaningful patterns and trends in your data. I use statistical methods and analytical tools to provide actionable insights that drive informed decision-making.

Business Intelligence & Reporting

Transform raw data into visually compelling and interactive dashboards and reports. I help businesses track key performance indicators (KPIs) and make data-driven decisions.

Data Engineering & Pipeline Development

Build scalable data pipelines for efficient data collection, storage, and processing, ensuring seamless integration across systems.

Data Visualization

Communicate complex data effectively with interactive charts, dashboards, and reports using tools like Power BI, Tableau, Excel and Python libraries.

Predictive Analytics & Machine Learning

Leverage machine learning and statistical models to forecast trends, optimize operations, and improve business strategies.



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PROFESSIONAL SERVICES

Experimentation & A/B Testing

Design, implement, and analyze controlled experiments to optimize marketing strategies, product development, and customer engagement.



TECHNOLOGY & TOOL STACK



SQL



Python



Tableau



Power BI



Alteryx



Excel



ODK Central



Kobo Toolbox



Superset



MS Servers



R



AWS



Azure



Docker



Jupyter



TensorFlow



Wordpress



Photoshop



SharePoint



Canva