

Zeid Ombotimbe



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[LinkedIn](#)



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SKILLS

Data Engineering & Big Data Processing: Python, PySpark, dbt, Airflow, Snowflake, BigQuery, Kafka, Docker, SQL (T-SQL, PostgreSQL), Databricks (GCP + Azure), Git

Programming & Systems Languages: Julia, Scala, C++

Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn, Plotly, Streamlit, Tableau, Power BI, Looker

Machine Learning & Statistical Modeling: Scikit-learn, XGBoost, Gradient Boosting Methods, PyTorch

Research & Professional Skills: Collaborative Research, End-to-End Project Ownership, Proactive Problem-Solving, Technical Documentation

EXPERIENCE

PERASUS | Data Consulting, Insurance & Banking, Retail, Telecom

Data Engineer - Data Platform & Analytics Jul 2024 – Dec 2025, Bamako, Mali

Platform Engineering, ETL/ELT Automation, Real-time Data Infrastructure

- **Real-time Data Pipeline Development:** Built and maintained data pipelines using Azure Data Factory and PySpark to process millions of daily mobile transactions into Snowflake, enabling operational dashboards with under 15 minutes of data latency for a telecom client.
- **Cloud Data Migration & Modernization:** Migrated legacy insurance claims data to Snowflake by designing data models, developing reliable SQL and dbt transformations, and automating Power BI dataset refreshes, cutting report generation time from hours to minutes.
- **Batch ETL & Database Management:** Developed scheduled Azure Data Factory pipelines to consolidate daily sales and inventory data from 14 retail locations into a centralized PostgreSQL database. Implemented partitioning and indexing to improve dashboard query performance.
- **Data Quality & Performance Engineering:** Created reusable Python validation frameworks to catch data issues before they affected reports. Optimized PySpark jobs in Azure Databricks through memory tuning and query improvements, reducing average job runtime.

Data Analyst - Business Intelligence

Jul 2022 – Jun 2024, Bamako, Mali

Financial & Operational Analytics, Dashboard Development, Process Improvement

- Analyzed multi-channel sales data (web, mobile, retail) to identify underperforming product categories and regional trends. Built a Tableau dashboard for the marketing team that correlated promotional spend with revenue impact, directly informing the Q4 campaign strategy.
- Developed weekly performance reports tracking transaction volume, user growth, and agent network activity from a Snowflake data warehouse. Automated the distribution of these reports via email, saving the operations team over 10 hours of manual work each week.
- Investigated a 15% quarter-over-quarter increase in auto claims by geolocation and driver demographics. Created a Power BI dashboard with interactive maps that identified three high-risk postal codes, leading to a revised premium model.
- Analyzed on-time performance data against maintenance and routing schedules for a major airline client using Python, identifying key operational predictors of flight delays.

DATA CREATIVE | SQL, and Power BI Training

Instructor

Jan 2023 – May 2024, Remote

Technical Training, Data Analytics, and Professional Development

- Delivered interactive, live training sessions in SQL, and Power BI to over 60 learners, including beginners, intermediates, and advanced corporate and early-career professionals, achieving an average instructor rating of 4.7 stars across three courses.
- Designed and facilitated hands-on, real-world exercises and modern course materials tailored to diverse audiences, enhancing participants' practical skills in data analysis, querying, and visualization.

EDUCATION

UNIVERSITY OF THE PEOPLE

Bachelor of Science (B.S.), Computer Science

Expected Jun 2026 | Pasadena, CA

CGPA: 3.37/4.0

CERTIFICATIONS & AWARDS

InteRussia STEM Specialists Fellowship (The Gorchakov Foundation)

Selected international fellow in a competitive STEM innovation program. Completed a 4-week intensive [workshop at Skoltech](#), specializing in interdisciplinary prototyping and applied research. Co-developed a bio-inspired drone with computer vision for avian collision prevention, integrating concepts from aerodynamics, real-time image processing, and autonomous systems. | Sep 2025 | Moscow, Russia

Google Advanced Data Analytics Certificate

A comprehensive program covering machine learning, data cleaning, visualization, and statistical analysis to solve real-world problems | Google | Dec 2024 | Online via Coursera

Data Skills for All (DS4A) certificate

Completion of an 8-week program preparing fellows for data-driven roles, Awarded Outstanding Community Citizenship for significant contributions to the learning, growth, and community culture of the DS4A Program | Correlation One | Dec 2023 | Online

COURSEWORK

Data Structures & Algorithms

Applied Statistics

Linear Algebra

Differential Equations

Data Mining

Discrete Mathematics

English Composition

Calculus 1 & 2

INTERESTS

Research • Traveling • Fitness • Nutrition •

Horses • Open-source • Self-improvement