

Bolaji BALOGOUN

Data Science & AI Engineer

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Dynamic Data Science and AI professional experienced in driving business growth and enabling innovative product development across industries like transportation, e-commerce, and fintech. I have designed and implemented scalable data architectures for projects and enterprises while leading cross-functional teams to solve complex business challenges. I fuel organizational excellence and data-driven business management by establishing robust data governance frameworks, enhancing analytics capabilities & data observability, facilitating LLM-based tools adoption, and delivering transformative data & AI-driven products.

Areas of expertise

- **Skills:** Data engineering, Data modeling, Statistical analysis, Data visualization, Machine learning, Automation, Cloud computing, Data product management, Problem-Solving, Communication.
- **Technologies:** Google Cloud, Looker, Metabase, Python, Sql, R, Bash, NoSql, Airflow, Asana, Jira.

Professional experience

Head of Data & Analytics, **GOZEM**

SINGAPORE | Oct 2022 - Present

- Improved overall data asset reliability by strengthening data observability and data product quality; established audit frameworks across business units and implemented a robust quality management system with automated testing to detect and alert discrepancies for proactive resolution.
- Enhanced analytics capabilities and fostered a data-driven culture by developing and maintaining a streamlined, domain-oriented data governance strategy across the group.
- Fueled innovation and operational efficiency by collaborating with Product and Business teams to integrate advanced analytics and machine learning features into mobile apps and internal platforms.
- Scaled the Data team to 14+ across Sub-Saharan Africa, enhancing productivity. Ensured successful project delivery through effective processes, use of LLM tools, mentorship and continuous learning.
- Reduced Google Cloud costs by 42.57% in Q2 2024 through optimized data modeling while maintaining high data integrity standards and ensuring accuracy and availability.
- Refined business health monitoring and accounting statements data source by designing a Group Closing Database for a comprehensive 360° view of organizational performance.
- Improved freelancer trust and performance by redesigning their activity logs database, enabling automated AI-driven fraud screening, and reducing their payment processing time by 7.

Global Data Analyst, **GOZEM**

BENIN | Nov 2019 - Sep 2022

- Facilitated more drivers engagement by automating a 3-days work manual incentives payment process within minutes at the end of activity days through mainly an accelerated performance fraud-screening.
- Modernized data flow within the group by migrating the data infrastructure to Google Cloud, mainly replacing repetitive processings of limited data with BigQuery's faster and scalable analysis power.
- Accelerated the delivery of performance monitoring and diagnostic tools group-wide by building from scratch and leading the upscaling of a distributed analytics team of 4.
- Automated KPI reporting and presented performance weekly actionable insights to the Management.
- Supported Marketing by refining segmentation and cohort analysis with a users profiling database.
- Mitigated financial risks by managing the user fraud patterns database and automating predictive analyses and daily financing collection monitoring with critical alerts, ensuring 0 unknown default.

Data Scientist, [RINTIO](#)

BENIN | Jul 2018 - May 2019

- Implemented and maintained robust big data stack by combining Hadoop data lake, Spark cluster, and ElasticSearch to store and transform diverse data into valuable insights and intelligent features.
- Strengthened the knowledge base to support data-driven actions by engineering agricultural (weather, crops, soil, yields...) data scraping and designing surveys to collect additional market information.
- Enabled predictive decision-making for robust business strategies fueled by statistical crop yield forecast based on inferential analysis and multiple regression algorithms.
- Delivered timely and accurate performance reports by translating complex analytical insights into accessible reports through interactive dashboards using Kibana and Apache Superset.
- Empowered the management boards and supported innovative decision-making for some outsourcing clients by co-assessing their advanced analytics needs and crafting customized training materials, including demo and hands-on labs.

Statistician, [INStaD](#)

BENIN | Sep 2017 - Feb 2018

- Upskilled the agency's agents in advanced analytics by crafting and delivering accessible training on advanced analytics tools, including hands-on R statistical analysis.
- Enriched public research financing base in government agencies through a structured data collection campaign on surveys' funding in Benin's public institutions.

Statistician, [Le PANTAGRUEL](#)

BENIN | Aug 2013 - Oct 2013

- Provided valuable structured and cleaned customers feedback database by designing and conducting customer satisfaction survey through collaborative efforts with Sales team.
- Increased Net Promoter Score by 17 and sales by 11% in one quarter by powering management policies with actionable insights from analyzed data.
- Developed and implemented a customer satisfaction scoring system, and trained Sales teams to leverage it for continuous performance improvement and enhanced customer engagement.

Education

1. **Master of Science in Statistics** at [ICMPA UNESCO CHAIR](#) - University of Abomey-Calavi, with Distinction. Grade: A- (3.72/4, assessed by International Education Evaluations). | **Sep 2018**
2. **Bachelor in Statistics and Econometrics** at [University of Abomey-Calavi](#). | **Dec 2013**

Other

- **Languages:** French (Native), English (Professional)
- **Interests:** Community building, Continuous learning, Cultures, Jogging, Soccer, Music...