Bolaji BALOGOUN
Senior Data Science Engineer

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Dynamic Data Science professional experienced in driving business growth, and enabling innovative products development across industries like transport, e-commerce, and fintech. I operationalized scalable data architectures and led cross-functional teams to solve complex business challenges. I empowered organizational operational excellence and data-driven decision making by establishing robust data governance frameworks, improving analytics capabilities, data observability, and delivering transformative data 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 Studio, Python, SQL, R, Bash, MongoDB, Airflow, Asana, Jira.

Professional experience

Head of Data & Analytics, GOZEM   SINGAPORE | Oct 2022 - Present

- Improved data observability and the quality of data products by establishing audits frameworks across business units and building a robust quality management system, including automated testing, to proactively identify and resolve discrepancies in collaboration with Product teams.
- Enhanced analytics capabilities and powered a data-driven culture company-wide by crafting and maintaining a streamlined domain-oriented data governance strategy.
- Fueled innovation and operational efficiency by partnering 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 with well structured processes, increasing productivity and ensuring successful project delivery through mentorship and continuous learning.
- Reduced Google Cloud bills by 42.57% in Q2 2024 by optimizing data modeling while maintaining high data integrity standards and ensuring accuracy and availability.
- Refined business health monitoring and supported accounting statements by designing a comprehensive Group Closing Database, providing a 360° view of organizational performance.
- Enhanced freelancer trust and operational efficiency by designing and deploying their activities log database, enabling automated fraud screening and reducing payment processing time 7x faster.

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 daily financing collection monitoring with critical alerts, ensuring 0 unknown default.

Data Scientist, RINTIO

- 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...