OLUWAREMILEKUN IDOWU

BUSINESS ANALYST. DATA ANALYST. SOFTWARE QA. AI/ML

◆ +1 587 837 8406 ◆ remi.adelopo@gmail.com ◆ www.linkedin.com/in/remi-idowu ◆ https://github.com/Remilekun

SUMMARY – *leveraging +6 years of experience*

Experienced tech professional with over 6 years of expertise in business analytics, data analysis, AI, and software quality assurance and testing. I specialize in leveraging data-driven insights and AI/ML technologies to solve complex business challenges, enhance operational efficiency, and enable intelligent decision-making. With a strong foundation in analytics, and quality assurance, I excel at designing scalable solutions, optimizing processes, and fostering collaboration to deliver impactful outcomes. Passionate about utilizing data to address intricate problems, I combine technical expertise with a strategic mindset to create innovative solutions that drive organizational success and long-term value.

SKILLS & CORE COMPETENCIES

- **Business Analytics:** Proficient in SQL, Python, and Excel for analyzing organizational data to identify trends, uncover patterns, and generate actionable insights.
- **Data Analysis:** Extensive experience with Python and its libraries, including pandas, NumPy, SciPy, SQL, Matplotlib, and Seaborn, as well as Jupyter Notebook, for tasks such as data cleaning, statistical analysis, data visualization, programming, data management, querying, and exploratory data analysis.
- **Software Quality Assurance & Testing:** Skilled in STLC, SDLC, manual and automated testing (Selenium), performance testing (JMeter, LoadRunner), security testing, and defect management.
- **AI/ML model development:** Experienced in data preprocessing, model development (classification, regression, deep learning) with TensorFlow, Keras, PyTorch, and scikit-learn, and evaluating models using metrics like accuracy and F1-score.
- **Project Management:** Proficient in Microsoft Project, Jira, Trello, and Asana for project tracking and collaboration, monitoring progress with KPIs, managing stakeholder expectations, and applying Agile, Scrum, Waterfall, and Lean methodologies.
- **Leadership & Communication:** Proven ability to effectively communicate complex technical concepts, build strong teams, and collaborate with stakeholders. Skilled in engaging and influencing diverse audiences, demonstrating resilience, and fostering professional relationships while respecting cultural differences.
- **Reporting & Analytics:** Proficient in presenting research findings and conducting data analysis using PowerPoint, Power BI, and Tableau to create insightful visualizations and drive informed decision-making.

PROFESSIONAL EXPERIENCE

Software Quality Assurance Analyst
HomeTrumpeter LLC – USA (remote)
April 2023 - Present

- Generate extensive test cases and scenarios in alignment with Product Owner requirements, executing thorough testing across both web and mobile platforms for a Property Management company committed to delivering a cutting edge, user-friendly system for Property Managers, homeowners, tenants, and service providers.

- Design and write test case scenarios to achieve a 95% testing coverage throughout the software to ensure high software efficiency, reliability, and user-friendliness.
- Implemented a robust bug tracking and management system, logging over 10 bugs weekly, ensuring a thorough documentation and effective resolution process: resulting in an 80% decrease in unresolved issues during testing phase.
- Developed a continuous testing strategy, enabling early detection of defects during regression testing, reducing defect escape rate by 90% and enhancing overall software quality.
- Facilitate cross-functional communication between various internal and external stakeholders including Product Owner, Quality Assurance Lead, and Development team in order to integrate various feedback within the testing process, resulting in an improvement in team productivity and product delivery efficiency.

Business Analyst
Independent Projects – Calgary, Canada
Dec. 2022 – March 2023

- Utilized Power BI to analyze and monitor key business metrics, providing stakeholders with real-time insights into company performance. Developed dashboards that tracked sales trends, customer satisfaction, and financial metrics, enabling data-driven decision-making.
- Created and maintained KPI dashboards in Power BI to monitor critical business indicators. Automated data refreshes and implemented interactive elements, allowing executives and team members to explore data and make informed decisions.
- Conducted market research and competitor analysis using Power BI, integrating data from external sources like market reports and internal sales data. Presented findings to senior management, highlighting opportunities for market expansion and competitive positioning.
- Analyzed sales data to understand purchasing behavior, segmentation, and lifetime value. Created detailed reports in Power BI that helped marketing and sales teams tailor strategies to target high-value customer segments.

Data Analyst
Prognoz.ai – USA (remote)
Jan. 2022 – Nov. 2022

- Conducted data cleaning, wrangling, and exploratory analysis to derive actionable insights from large datasets.
- Applied statistical techniques and Python libraries such as Pandas, NumPy, and Matplotlib for data analysis and visualization.
- Designed and implemented interactive dashboards using tools like Tableau and Power BI to communicate findings effectively.
- Collaborated with cross-functional teams to support data-driven decision-making and enhance business strategies.
- Gained expertise in SQL for querying databases and managing structured datasets.
- Developed predictive models using machine learning techniques to forecast trends and optimize business outcomes.
- Strengthened problem-solving skills by interpreting complex data and presenting insights to stakeholders.

Research Scientist
Shenzhen Institute of Advanced Technology – Shenzhen, China
May 2019 – Dec. 2021

- Assisted in a research collaboration exploring the application of machine learning and deep learning in healthcare.
- Leveraged available resources to support model development and optimization for healthcare solutions.
- Designed and implemented data visualizations to effectively communicate findings and insights.
- Performed validation of models to ensure accuracy, reliability, and compliance with healthcare standards.
- Collaborated with senior researchers and interdisciplinary teams to advance project objectives and contribute to impactful outcomes.

Business Analyst

Netwave ICT Solutions – *Lagos, Nigeria*

June 2015 – April 2019

- Performed business requirements gathering and analysis to support IT and business process improvements.
- Collaborated with stakeholders to identify challenges, define goals, and propose effective solutions.
- Developed detailed documentation, including business process models, workflows, and use cases.
- Analyzed data to provide actionable insights that informed decision-making and strategy.
- Facilitated communication between technical teams and business units to ensure project alignment with organizational objectives.

Software Quality Assurance Analyst

Tezza Business Solutions - *Lagos, Nigeria*

Feb. 2015 – May 2015

- Spearheaded the development and implementation of a comprehensive test suites while incorporating advanced features such as data-driven testing, database checks, batch testing and functions, resulting in a more robust and reliable software product
- Formulated test plans and intricately designed test cases while strategically selecting appropriate testing methodologies to substantially reduce the occurrence of bugs and mitigate potential risks by 90%
- Conducted in-depth testing while manually executing test cases to validate unit, functional, and integrated aspects of the software
- Minimized time delays proactively within the scheduled project timeframe by recording test results, documenting defects, and maintaining a systematic defect tracking process

Software Quality Assurance Analyst

High tech Synergy – *Lagos, Nigeria*

Jan. 2013 – Jan. 2015

- Constructed detailed, well-structured test plans and cases to identify and report software bugs; ensuring a reliable, efficient, and effective custom-tailored solution that fosters revenue growth for the client's business
- Achieved a 95% test coverage on critical software modules (including sales, expenses, invoices, and petty cash) to significantly enhance software reliability while effectively mitigating the potential for fraud and theft activities within those high-risk areas
- Performed functional, integration, regression, and system testing on software prior to deployment while additionally providing on-site client support to ensure smooth implementation and optimal software utilization
- Assembled an easy-to-use 130+ page User Guide from scratch which covered 14 modules such as inventory, purchases, sales, and general ledger: facilitating training sessions for 30+ users ensuring effective application adoption and workflow comprehension
- Effectively present over 40 test results, over 5 defect logs and communicate test progress and clients request to management and development team
- Followed through with development team to ensure 90% of the bugs are fixed and any bugs that are not fixed are resolved in the next release of the software to the client

———— PROFESSIONAL TRAINING & EDUCATION ————

Junior Data Analyst Program

Npower Canada – *Toronto, Canada*

Aug. 2023 – Dec. 2023

- Acquired proficiency in SQL and Python for data science, data visualization, analysis, and programming.
- Gained hands-on experience with Microsoft Azure AI features, Computer Vision, NLP, and ML principles.
- Developed practical expertise in Python for statistical programming, and SQL for data management.
- Built a strong foundation in ML through coursework and practical applications during the program.

IBM Data Analyst

Npower Canada – *Toronto, Canada*

Aug. 2023 – Dec. 2023

- Developed working knowledge of Python language for data analysis using Pandas and NumPy
- Effectively completed a capstone project by collecting data from multiple sources, performing exploratory data analysis, data wrangling, statistical analysis and mining of the data using Python libraries.
- Utilized Excel spreadsheets to perform data wrangling and data mining
- Work extensively on creating charts and plots to visualize data, and building an interactive dashboard using IBMs Cognos Analytics and various Excel charts/graphs
- Visualize data using Python libraries including Matplotlib, Seaborn, Plotly and Dash
- Composed queries to access data in cloud databases using SQL and Python from Jupyter notebooks
- Demonstrated a high level of understanding of Agile Project Management Lifecycle and key techniques and successfully complete Agile projects using tools such as Scrum, Kanban

Microsoft Azure Fundamentals Professional Training

Npower Canada – *Toronto, Canada*

Aug. 2023 – Dec. 2023

- Gained a comprehensive understanding of cloud concepts, the benefits of cloud computing, and core Azure architecture components.
- Developed expertise in utilizing core Azure services and selecting Azure AI services to address specific business challenges effectively.
- Acquired skills in controlling Azure spending and managing bills by applying recommended cost-optimization practices.

Google Project Management Training

Npower Canada – *Toronto, Canada*

Aug. 2023 – Dec. 2023

- Built a project plan and create a risk management plan to reach project milestones
- Developed and built high-functioning teams to ensure high quality deliverables, planning, assurance and control
- Effectively analyze Key Performance Indicators and utilize data to make informed decisions
- Analyze real-world project utilizing critical thinking, problem-solving, and effective communication skills
- Practiced agile project management by implementing sprints, applying Scrum values, and developing a product backlog
- Implemented continuous process improvement techniques while monitoring and tracking project resources and budgets

Data Analytics Training Program

OneCampus Academy – *USA (remote)*

Jan. 2023 – Nov. 2023

- Performed data cleaning, data pre-processing, data transformation, feature extraction, feature selection, and model development using python
- Developed working knowledge of Python language for data analysis using Python libraries such as Pandas and NumPy
- Visualized data using Python libraries including Matplotlib, Seaborn and Plotly and Power BI
- Conducted hands-on projects including making univariate and bivariate analyses, creating analyses on generated company data, creating a model to analyze bankruptcy data trends and patterns
- Designed a capstone project focused on creating a model to provide strategic guidance to the Chicago police in managing the city's crime rate; administered exploratory data analysis, data cleaning, data pre-processing and statistical analysis using Python libraries
- Performed exploratory data analysis, data cleaning, data pre-processing, data statistical analysis, and mining of the data using Python libraries

Mini Master's in Business Administration Certificate

Tekedia Institute – USA (remote)

Feb. 2021 – May 2021

- Gained expertise in innovative business model design to drive creativity and build market-leading companies.

- Developed strategic growth and market positioning skills to craft scalable and enhance brand leadership.

- Acquired digital transformation techniques to modernize processes, improve efficiency, and elevate customer experiences.

- Strengthened leadership and decision-making capabilities for managing dynamic business environments using data-driven approaches.

- Applied cross-industry insights to solve sector-specific challenges across industries like fintech, healthcare, real estate, and manufacturing.

B.Sc. Hons. In Mechanical Engineering

Lagos State University – Lagos, Nigeria

Feb. 2021 – May 2021

- Built expertise in core mechanical engineering principles, including thermodynamics and machine design.
- Studied engineering mathematics, statistics, algorithms, and programming with a foundation in AI concepts.
- Gained hands-on experience in CAD tools, labs, and workshops.
- Developed skills in project management, teamwork, and technical communication.
- Applied analytical thinking to design and optimize mechanical systems.

AWARDS AND DISTINCTION

- Highest Microsoft Azure Score of 90.5%
- Most Grit Award

RESEARCH FUNDING

- National Key Research & Development Program of China - 5,340,000 (Chinese Yuan)
- National Natural Science Foundation of China - 6,000,000 (Chinese Yuan)
- Shenzhen Basic research Program - 3,100,000 (Chinese Yuan)
- Key Research & Development Program of Guangdong - 1,000,000 (Chinese Yuan)

PROFESSIONAL CERTIFICATION AND CREDENTIALS

- Microsoft Certified Azure Fundamentals - Oct. 2023
- Data Analyst Professional Certificate - Nov. 2023
- Google Project Management Certificate – May 2024
- Career Essentials in Data Analysis by Microsoft and LinkedIn – April 2023
- Business Analysis Foundation – April 2023
- Software Testing Foundations – June 2023
- Software Development Life Cycle – May 2023

PUBLICATIONS

Google Scholar Citations - 36
(https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&user=BgPyEL4AAAAJ)

- Oluwagbenga Paul Idowu, **Oluwaremilekun Adelopo**, Ademola Enitan Ilesanmi, Xiangxin Li, Oluwarotimi Williams Samuel, Peng Fang, Guanglin Li (2021) , *"Neuro-evolutionary approach for optimal selection of EEG channels in motor imagery based BCI application, Biomedical Signal Processing and Control",* Vol. 68,102621, ISSN 1746-8094, https://doi.org/10.1016/j.bspc.2021.102621.

- **Oluwaremilekun Adelopo**, Oluwagbenga Paul Idowu (2021). *"Technological Trends and applications of Water Mist Fire Suppression Systems"*. Preprints. https://doi.org/