

CURRICULUM VITAE

Mumo Mwangangi

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Professional Summary

Business Intelligence Analyst with 1 year of experience building interactive Power BI dashboards and data models to support HR and operations analytics. Skilled in SQL, data integration, and data storytelling that transforms raw information into actionable insights. Proficient in diverse software tools, with additional expertise in software engineering (Java, Laravel, Database Design, API Development), graphic design, and article writing enabling both technical implementation and clear communication of complex findings through visual and written narratives. Experienced in engaging stakeholders to translate business challenges into scalable BI solutions. Passionate about leveraging data, technology, and creative communication to improve efficiency and healthcare outcomes.

EDUCATIONAL BACKGROUND

2024-Present	Strathmore University
Student)	Bachelor of Business Information Technology - Third Year (Evening
2023-2024	Diploma in Business Information Technology - Distinction
2019 – 2022	St Charles Lwanga School
	Kenya Certificate Secondary Education, Mean grade B+ Mathematics A English B

PROFESSIONAL DEVELOPMENT

Online courses

1- MAY- 2024 Data Analytics Fundamental Programme (Awarded Certification)

- **Data Analytics Basics:** Understanding data mining, warehousing, and visualization, and using tools like Tableau, Power BI, or Excel for data visualization.
- **Exploratory Data Analysis (EDA):** Techniques for summarizing, visualizing data, and uncovering patterns to inform business decisions.
- **Data-Driven Decision Making:** Applying data insights to solve business problems through a data-driven approach.
- **Career Pathways:** Exploring various career opportunities in data analytics and related fields.

Key Skills

- Power BI – Data Modeling, DAX, Interactive Dashboards & Reports
- SQL & Relational Databases (PostgreSQL, MySQL, InnoDB)
- ETL & Data Integration | Data Cleaning & Quality Assurance
- Data Storytelling, Visualization & Insight Communication
- Java, Laravel (Web Development), API Development
- Database Design & Management (Normalization, ERD, Data Warehousing)
- Microsoft Excel (Advanced Analysis) & MS Office Suite
- Adobe Illustrator / Canva – Graphic Design & Visualization
- Research & Problem-Solving Skills
- Communication & Presentation Skills (debates, class presentations, article writing)
- Collaboration & Teamwork (group projects, work-based projects)
- Creative Content Development (article writing, technical documentation)

PROFESSIONAL EXPERIENCE & PROJECTS

Intern (Currently) – Data Analytics Strathmore University, Office of Faculty Affairs Department January 2025 – Present

Responsibilities

- Designed and deployed Power BI dashboards for the Staff Establishment System, enabling HR to monitor staff-to-student ratios and compliance.
- Built data models and automated KPIs using DAX to track staffing levels and recruitment needs.
- Partnered with HR stakeholders to translate business requirements into BI solutions.
- Conducted data cleaning and integration across multiple datasets to ensure accuracy and consistency.
- Delivered insights that informed faculty-level workforce planning and decision-making.

Software Developer (Projects & Academic Work)

Strathmore University – 2023 to Present

- Designed and developed internal web applications to support faculty workflows and student services.
- Built full-stack web systems using Laravel (PHP) for backend and frontend development, with occasional use of React/JavaScript for specific integrations.
- Collaborated with cross-functional teams to gather requirements and deliver user-friendly solutions.
- Contributed to the development of a mobile application for a university conference, working in a team to ensure functionality and user experience.
- Developed a Rental Management System integrating booking and M-Pesa payments, enhancing collaboration between clients and landlords.
- Worked on a Blockchain-based Credential Verification System to secure academic credential validation for Kenyan institutions.

ACHIEVEMENTS

- Developed a board-level dashboard adopted by HR at Strathmore University, reducing manual reporting workload by 40%.
- Recognized for delivering automated BI insights that informed faculty decision-making.
- Successfully delivered group software projects applying Agile and OOAD methodologies.

COMPUTER PROFICIENCY

- Microsoft: Word, Excel, Power BI
- Databases: PostgreSQL, MySQL, InnoDB
- Programming: Java, PHP (Laravel), JavaScript, SQL
- Tools: Canva / Illustrator (graphic design), Git/GitHub

LANGUAGES

- English (Fluent)
- Kiswahili (Fluent)
- German (Intermediate)

HOBBIES AND INTERESTS

- Graphic design
- Research & Article Writing
- Travelling & Photography

REFERENCE

David Irungu

Office of Faculty Affairs - Instructional Specialist

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