



# JAMES MBERE

Software Developer

## About Me

Results-driven Software Developer with expertise in MERN Stack, Spring Boot, Python, and cloud computing fundamentals. Skilled in building scalable applications, optimizing system performance, and integrating cloud-based solutions. Experienced in cloud architecture design, deploying secure and scalable applications on AWS, managing compute, storage, and networking resources, and implementing best practices for cloud operations.

## Work Experience

### Freelance Software Developer

April 2023 - Present

- **Material-UI React Admin Dashboard Project:** Developed the Discover Admin Dashboard for streamlined data management and insightful analytics. [Project URL](#)
- **MERN Data Analytics Project:** Built a MERN-based data analytics app, improving data processing time and providing real-time insights through optimized MongoDB queries. [Project URL](#)
- **MERN Food Delivery App:** Developed a food delivery app using the MERN stack, increasing order processing efficiency and reducing delivery time. [Project URL](#)
- **MERN E-Commerce App:** Designed and implemented a full-stack e-commerce app with the MERN stack, enabling daily user interaction. [Project URL](#)
- **Jobs API:** Engineered a backend API for job listings and user authentication, cutting API response time and improving documentation accessibility via Swagger UI. [Project URL](#)

### Graduate Trainee | ALX Africa

Feb 2022 - Mar 2023

Completed a structured software engineering program focused on system design and development. Collaborated with team members to build responsive web applications, contributing to key projects that improved user experience and interface performance by 15%. Enhanced skills in creating scalable, user-friendly interfaces.

- **Printf Function Implementation:** Contributed to developing a custom `printf` function in C, replicating the standard library function. Improved understanding of low-level programming and memory management while enhancing system performance by optimizing output handling.
- **Airbnb Clone:** Collaborated on building an engaging Airbnb clone using full-stack technologies. Designed a responsive web platform with user authentication, property listings, and reservation management, improving user interaction by 25%.
- **Simple Shell:** Played a key role in developing a custom command-line interpreter in C, implementing core shell functionalities (commands, file I/O, process control). Improved execution efficiency by 15%, while enhancing system programming and debugging skills.
- **Meme Generator:** Engineered a React-based meme generator for real-time creation and customization of memes. Enhanced user engagement through interactive text overlays and responsive design for desktop and mobile. This project strengthened skills in state management and flexible user interfaces. [Project URL](#)
- **Tenzies Game:** Built an interactive React dice game with efficient state handling for tracking rolls and scores, ensuring an engaging gameplay experience. [Project URL](#)

**Skills:** C Programming, Responsive Web Design, Collaboration

References are available upon request.

## CONTACT

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📍 Nairobi, Kenya  
🌐 LinkedIn  
🐦 Twitter

## LINKS

📁 Portfolio  
🐙 GitHub

## SKILLS

JavaScript   
Python   
ReactJS   
ExpressJS   
MongoDB   
Java   
Teamwork   
Leadership

## EDUCATION

BSc. Microbiology and Biotechnology  
The University of Nairobi  
Sep 2014 - Dec 2018  
Software Engineering  
ALX Africa  
Feb 2022 - Mar 2023