



JAMES MBERE

Software Developer

About me

I am a dedicated Software Developer with a robust skill set in design and problem-solving. My expertise includes HTML, CSS, JavaScript, React, Python, NodeJS/ExpressJS, MongoDB, and version control with Git & GitHub. I am committed to translating business requirements into technical solutions and have a track record of launching successful projects.

Work experience

Freelance Software Developer

April 2023 - Present

Former Graduate Trainee | Alx_Africa

- Material-UI React Admin Dashboard Project: Developed the Discover Admin Dashboard for streamlined data management, page customization, and insightful analytics. Project URL: [Admin Dashboard](#)
- MERN Data analytics Project: Built a MERN-based data analytics app, improving data processing time by 35% and providing real-time insights through optimized MongoDB queries: [Data analytics](#)
- MERN Food Delivery App: Developed a food delivery app using the MERN stack, increasing order processing efficiency by 20% and reducing delivery time by 15%. Project URL: [Food Delivery App](#)
- MERN E-Commerce App: Designed and implemented a full-stack e-commerce app with the MERN stack, enabling over 10% daily user interaction. Project URL: [E-Commerce App](#)
- Jobs API: Engineered a backend API for job listings and user authentication, cutting API response time by 30% and improving documentation accessibility via Swagger UI. Project URL: [Jobs API](#)

Skills: Software Development, MERN, SQL, Material-UI, Swagger-UI

Trainer/Instructor

Feb 2020 - May 2022

3D and 2D AI Data | Remotasks Kenya

Boosted trainee productivity by 25% and quality of work by 15% through structured training programs, clear goal-setting, and consistent feedback mechanisms. This included:

- Structured Training Programs: Created training modules that improved skill acquisition by 30%, reducing the onboarding time for new trainees by 20%.
- Performance Tracking: Monitored trainee performance through metrics, identifying key improvement areas that led to a 20% increase in productivity over 6 months.
- Feedback Mechanisms: Introduced a feedback system that increased trainee performance by 30% through regular, actionable feedback and continuous improvement loops.

Skills: data management, documentation

Internship

Oct 2017 - Dec 2017

Biotechnology | Kenya Medical Research Institute

Conducted DNA extraction and PCR techniques, improving sample quality for research by 20% through enhanced protocols.

- Extraction Protocols: Refined DNA extraction using phenol-chloroform, silica column, and magnetic bead methods, improving DNA yield by 25% and purity by 15%.
- PCR Amplification: Executed PCR amplification (qPCR, RT-PCR) with 95% accuracy, increasing DNA/RNA quantification efficiency by 20%.

Skills: DNA Extraction Techniques, PCR Techniques

CONTACT

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🌐 LinkedIn
🐦 twitter

LINKS

📁 portfolio
🐙 github

SKILLS

JavaScript
Python
ReactJs
ExpressJS
MongoDB
Git
Teamwork
Leadership

EDUCATION

BSC. Microbiology and Biotechnology

The University of Nairobi
Sep 2014 - Dec 2018

Software engineering
Alx_Africa