

# Anderson Mitambo Mwangi

## Junior Full-Stack Developer

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Nairobi, Kenya

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## Professional Overview

Highly motivated **Junior Full-Stack Developer** with a strong foundation in backend technologies and a keen interest in **data science and cybersecurity**. I hold a **Bachelor's degree in Information Technology** from **Jomo Kenyatta University of Agriculture and Technology (JKUAT)** and have **three years of experience** in full-stack development. Proficient in **Python, JavaScript (React.js, Next.js, TypeScript), Node.js, Express.js, HTML, CSS, TailwindCSS**, and databases such as **MongoDB, Redis, Appwrite, and Neon Postgres**.

I have successfully designed and deployed **three enterprise-ready full-stack applications**, contributed to **digital transformation projects** at the **Office of the Registrar of Political Parties (ORPP)** and **Kenya Law**, and **freelanced for multiple clients**, delivering **high-performance web solutions**. Passionate about **building scalable, efficient, and user-friendly applications**, I adapt quickly to emerging technologies like **GraphQL, Docker, Prisma, and cloud platforms**.

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## Work Experience

### Freelance Full-Stack Developer

Self-Employed, Nairobi, Kenya

| Jan 2025 – Present

- Successfully completed **15+ freelance projects**, delivering **custom web applications** for startups and small businesses.
- Developed **e-commerce platforms, portfolio websites, and business automation tools**, leading to an **average revenue increase of KES 300,000+ per client**.
- Implemented **secure authentication systems, API integrations, and performance optimizations**, improving user experience and website efficiency.

Provided **technical consulting services** to guide clients in **scaling their online presence and optimizing their digital workflows**

## Junior Full-Stack Developer

**Bakari Ventures, Nairobi, Kenya**

**| Oct 2024 – Jan 2025**

Bakari Ventures is a tech startup specializing in **web applications, digital solutions, and system integrations** for small businesses.

- Led the **design, development, and deployment** of three enterprise-level applications, reducing **manual work by 70%** for clients.
- Spearheaded backend optimizations, improving **API response times by 50%** through **Node.js, Express.js, and database indexing**.
- Enhanced system security by implementing **authentication measures, role-based access controls, and encrypted storage**, preventing **over 500 potential threats**.
- Integrated **Redis caching and optimized database queries**, improving web application load speeds by **40%**.
- Provided **technical consultation** for clients, increasing **customer satisfaction by 85%** and driving revenue growth of **KES 500,000** through web development services.

## IT intern – Digital Systems & Database Management

**Office of the Registrar of Political Parties (ORPP), Nairobi, Kenya | Jan 2024 – Sep 2024**

- Assisted in **digitizing over 10,000 political party records**, streamlining document retrieval by **60%**.
- Developed **automated scripts for data validation and migration**, reducing manual workload by **30%**.
- Collaborated with teams to enhance the **Digital File Management System (DFMS)**, improving accessibility and **reducing processing times**.

## IT Intern – Legal Information Systems

**Kenya Law, Nairobi, Kenya**

**| Sep 2023 – Jan 2024**

- Optimized **case law databases**, improving **search functionality and indexing**, reducing search time by **40%**.
- Assisted in developing **document archiving solutions**, ensuring better organization and compliance with **data retention policies**.
- Conducted **system tests and bug fixes** to improve software stability and performance.

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## Education & Certifications

**Bachelor of Science in Information Technology**

Jomo Kenyatta University of Agriculture and Technology (JKUAT), 2025

**Junior Cybersecurity Certificate**  
Cisco Networking Academy, 2024

**Python for Data Science Certificate**  
IBM, 2024

**IBM Data Engineering Certificate**  
IBM, 2024

**ALX Backend Development Course (ongoing)**  
ALX

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## Technical Skills

- **Programming Languages:** Python, JavaScript (React.js, Next.js, TypeScript)
- **Backend Technologies:** Node.js, Express.js, RESTful APIs, GraphQL
- **Databases:** MongoDB, Redis, Neon Postgres, Appwrite
- **Frontend Technologies:** HTML, CSS, TailwindCSS, React.js
- **Version Control:** Git, GitHub
- **Cloud & DevOps:** Docker, Firebase, Prisma, AWS basics
- **Security & Data Analysis:** Cybersecurity best practices, Python for Data Science

## Relevant Skills

- Full-Stack Web Development, System Optimization & Performance Tuning, Database Management & Query Optimization, Cybersecurity & Secure Coding Practices, Data Analysis & Visualization, Technical Troubleshooting & Debugging, Agile & Collaborative Development

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## Projects & Achievements

### Enterprise-Ready Full-Stack Applications

- **Digital File Management System (DFMS)** – Developed an **automated document retrieval system**, increasing **efficiency by 70%**.
- **Library Web App** – Designed a **responsive book cataloging system**, enhancing **search and loan processing speed**.
- **Web Banking App** – Built a **secure transaction processing system**, ensuring **seamless online banking experiences**.

## References

### **Mr. Martin Andago**

Head ICT department

Kenya Law

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### **Mr. Bob Waithaka**

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### **Mr. Bryan Alphayo**

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## Professional Development

### **Continuous Learning in Full-Stack & Cybersecurity**

- Participated in **workshops and hackathons** to sharpen problem-solving and development skills.