

DON MICHAEL OMBISI

Software Engineer | Data Analyst | Full Stack Developer | Cyber-security

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[WebPortfolio](#) | [LinkedIn](#) | [GitHub](#)

PROFESSIONAL SUMMARY.

Full Stack Developer and Quantitative Analyst with a strong background in data science, AI, and Web3 development. Proven success in building scalable applications, deploying machine learning models, and optimizing system performance in both public and private sectors.

EDUCATION

Catholic University of Eastern Africa

Bachelor of Science: Computer Science

PROFESSIONAL EXPERIENCE

- **Systems Developer | PostBank, Nairobi, Kenya | April 2024 - September 2024**
 - Developed, Redesigned and optimized the Helpdesk Ticketing System, reducing resolution time by 40%.
 - Upgraded network infrastructure across 3 offices, boosting connectivity by 25%.
 - Automated system backups with Python, reducing manual effort by 85%.
- **ICT Officer | National Treasury, Nairobi, Kenya | April 2023 - October 2023-**
 - Developed a file management system that cut document retrieval time by 60%.
 - Implemented network security enhancements, decreasing vulnerability incidents by 75%.
 - Built an automated user access system for streamlined onboarding.
- **Data Science Intern | Intel Indexer LLC (Remote) | October 2024 - March 2025**
 - Built a supervised ML model for stock prediction (87% accuracy).
 - Developed LSTM models with TensorFlow for time series forecasting.
 - Created interactive D3.js dashboards for financial insights.
- **Android and ML Developer | Muito Incorporation (Remote Ghaziabad, India) | January 2023 - April 2023**
 - Co-developed a location-based app with 5,000+ downloads.
 - Implemented facial detection (92% accuracy) and OCR algorithms.
 - Collaborated on cross-platform development with a 6-person team.
- **Android Developer | FreeCopy Pvt. Ltd. (Remote Ahmedabad, India) | January 2024 - April 2024**
 - Migrated backend to Firebase, reducing latency by 35%.
 - Improved UI/UX for mobile apps, increasing engagement by 28%.
 - Delivered features on time in agile development sprints.
- **IT Administrator | Kenyariri & Associates(Law firm). (Nairobi) | April 2025 - July 2025**
 - Implemented and configured POS systems to streamline transactions and boost efficiency
 - Built a custom web app for case management and client services
 - Trained and supported staff for smooth system adoption.

KEY PROJECTS

Host3: Web3-based hosting platform built with React, Solidity, and IPFS that enables decentralized file storage and hosting with 99.8% uptime.

Aura3.0: An autonomous AI therapist powered by advanced NLP and emotional intelligence, providing personalized mental health support while ensuring privacy through blockchain technology.

Aqua-Horizon: Citizen science platform that enables users to monitor, report, and discuss water quality issues in their communities.

Flood-Analyzer: A comprehensive flood risk assessment system

Drug-research: A drug discovery and protein-binding prediction tool built with the latest in machine learning and natural language processing (NLP) technology.

ThreadcraftAI: AI-powered content generation tool utilizing GPT models and React that helps users create engaging social media threads with 40% higher engagement rates.

Lingua-Speak: Real-time language translation application built with Next.js and TensorFlow that supports 20+ languages with 95% translation accuracy.

LiveDocs: Real-time collaborative text editor using WebSockets and React that allows multiple users to edit documents simultaneously with conflict resolution.

CARE-PULSE : Healthcare platform that streamlines patient registration, appointment scheduling, and medical records.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, C++, SQL, HTML/CSS

Web Development: React.js, Node.js, Gatsby.js, D3.js, Plotly

Data Science & ML: TensorFlow, PyTorch, scikit-learn, spaCy, Apache Spark, Hadoop

Databases: MongoDB, MySQL, PostgreSQL

Cloud & DevOps: AWS, GCP, Azure, Docker, Kubernetes, GitHub Actions, Jenkins, Linux

Other Technologies: Quantum Computing, Network Security, Figma, Adobe XD, Microsoft Office Suite

CERTIFICATIONS

- Ethical Hacker Certification ([Cisco](#))
- Cyber Threat Management - [Cisco](#)
- Network Defense - [Cisco](#)
- Junior cybersecurity analyst - [Cisco](#)
- Networking Basics - ([Cisco](#))
- Network Devices and Configurations - [Cisco](#)
- Quantum business foundations - [IBM](#)
- Cisco U. - AI Solutions on Cisco Infrastructure Essentials (DCAIE) - [CISCO](#)
- Microsoft Office Specialist - Word, Excel, Database (ICDL Africa) - [ICDL](#)
- WorldQuant University - Applied Data Science Lab ([Credly](#))
- Quantum Computing - Basics of Quantum Information ([IBM](#))
- Java-[JAVA](#)
- Golang - [GO](#)
- JavaScript-[JAVASCRIPT](#)
- SQL(Advanced)-[SQL](#)
- Frontend Developer-[FRONTEND](#)
- Software Engineer-[SOFTWARE ENGINEER](#)

HONORS & AWARDS

- Google Explore ML Facilitator Microsoft Student Partner