

# Mustaf Abubakar

## Software Engineer | AI & Full-Stack Developer

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Innovative Software Engineer and AI Developer with over 3 years of experience in full-stack web development, cloud infrastructure, and intelligent automation. Skilled in designing and deploying scalable applications using modern technologies such as React, Node.js, Python, Laravel, Docker, and AWS.

Co-Founder of Waagèfaal, a non-profit advancing Somali language technology through AI, and KaabeUp, a digital solutions company driving business efficiency through automation. Adept at combining hands-on technical development with visionary leadership to deliver impactful, community-driven tech solutions.

## EXPERIENCE

### Co-Founder & CIO, KaabeUp

2025 – Present  
Mogadishu, Somalia

- Co-founded and lead the company's technical strategy, infrastructure, and engineering processes.
- Oversee architecture and development of the **Dankaab Data Exchange System**, enabling telecom resellers to manage transactions securely.
- **Automate CI/CD pipelines with Docker and AWS**, ensuring efficient, test-driven deployment cycles.
- **Configure Linux server environments and perform system maintenance** for production systems.
- Integrate AI-based automation and data analytics to improve business efficiency and reliability.
- Guide software teams to implement scalable, maintainable, and secure solutions across all platforms.

### Software Engineer | Full-Stack Developer, JTech, Mogadishu

04/2023 – Present  
Mogadishu, Somalia

- Develop and maintain scalable web applications using MERN Stack, **NestJS**, Laravel, and Codelgniter
- Build secure, modular backend APIs with **NestJS** and Express JS, while optimizing frontend performance using React and Next.js.
- Manage Git repositories, conduct peer code reviews, and mentor junior developers.
- Collaborate with cross-functional teams to deliver efficient and reliable software solutions.

### Co-Founder & CEO, Waagèfaal (Non-Profit Organization)

2023 – Present  
Mogadishu, Somalia

- Co-founded and lead a non-profit focused on advancing Somali language technology through AI and digital innovation.
- Manage grants, partnerships, and collaborations for community AI initiatives.
- Supervise development of educational apps like **Qaamuuské Reegey**, supporting Af Maay language learning and preservation.

### Instructor Assistant, Jamhuriya University, Mogadishu

09/2022 – 04/2023  
Mogadishu, Somalia

- Supported course delivery for SQL and C# programming modules.
- Conducted lab sessions, helped students troubleshoot code, and provided one-on-one tutoring.

## EDUCATION

|                                                                                    |                             |
|------------------------------------------------------------------------------------|-----------------------------|
| <b>Master of Science in Cybersecurity</b> , <i>Jamhuriya University, Mogadishu</i> | 2025 – Present<br>Mogadishu |
| <b>Bachelor of Information Technology</b> , <i>Jamhuriya University, Mogadishu</i> | 2019 – 2023<br>Mogadishu    |
| <b>GED in CCNA</b> , <i>NETCAM, Mogadishu</i>                                      | 2021 – 2022<br>Mogadishu    |

## TECHNICAL SKILLS

### Programming

Python, JavaScript, TypeScript, PHP, C#

### Frameworks & Libraries

React, Next.js, Node.js, Express, Laravel, FastAPI

### AI & Automation

OpenAI API, LangChain, TensorFlow, PyTorch

### Databases

MySQL, PostgreSQL, MongoDB, Microsoft SQL

### DevOps & Cloud

Docker, AWS, CI/CD, Linux Server Administration, Git

### Other

RESTful APIs, WebSockets, System Automation,  
Database Schema Design

## LANGUAGES

### English

Fluent

### Somali

Native

### Arabic

Professional

## CERTIFICATIONS

### Full-Stack Web Development

JTech (2021)

### Machine Learning

Udemy (2022)

### MERN Stack Workshop

Tabarak (2023)

## SELECTED PROJECTS

**Dankaab Data Exchange System (KaabeUp)**, *A web-based platform enabling data resellers to manage telecom transactions with automated dashboards.*

**Mumtaz Children Foundation Website**, *Designed and deployed a digital platform for a humanitarian organization supporting Somali children.*

### **Qaamuuské Reegey App (Waagèfaal)**,

*Mobile app promoting the Af Maay dialect through gamified vocabulary and interactive learning.*

**Somali ASR System,** *End-to-end speech recognition system trained on Somali speech data using PyTorch and TensorFlow, achieving high accuracy and practical usability.*

**Tugeir General Trading Website,** *Corporate website built for a multinational trading firm operating across Somalia, Kenya, and Ethiopia.*