

MOHAMED ALI ABDI

Backend & Mobile Systems Engineer

Mogadishu, Somalia

mohamedfirdous910@gmail.com +252 61 5560729 mohakavi.dev LinkedIn GitHub

Software engineer and founder working where mobile clients, APIs, ledgers, queues, and product operations meet. Focused on systems that remain reliable under real business and network constraints.

Experience

Back End Developer

Feb 2025 - Present

THECHAIN LIMITED

Full-time / Mogadishu, Somalia / Hybrid

- Built Spring Boot payment middleware connecting transaction services, external payment rails, and finance operations.
- Modelled ledger state and settlement flows with Spring Data JPA, transaction boundaries, and idempotent updates.
- Integrated Odoo for asynchronous settlement and reconciliation between live transactions and accounting records.
- Deployed Docker and Redis services for high-concurrency processing with sub-second response targets.

Mobile Dev Lead Engineer

Oct 2024 - Present

THECHAIN LIMITED

Logistics, service-marketplace, and fintech-wallet applications

- Led mobile delivery across iOS and Android, including release planning, production readiness, and app-store delivery.
- Designed secure wallet flows with biometrics, encrypted local storage, and live transaction-state updates.
- Reduced startup overhead and unnecessary rebuilds by restructuring BLoC and Riverpod state boundaries.
- Added offline caching, background sync, WebSockets, and push notifications for unreliable network conditions.

Mobile Application Developer

May 2024 - Jan 2025

SPONDIAS

Cross-border fintech wallet / Full-time / Hybrid

- Led mobile implementation for money transfer, digital-currency, and transaction-history workflows.
- Built real-time currency conversion, ledger views, and KYC onboarding.
- Integrated PIN authentication, AES local encryption, secure API handshakes, and payment-rail synchronization.
- Worked directly with backend payment services to keep client state consistent through interrupted network sessions.

Mobile Application Developer

Jun 2023 - Jan 2024

ZIT ACADEMY

Contract / Hargeisa, Somalia

- Delivered production Flutter and React Native features across API integration, forms, navigation, and local state.
- Integrated REST endpoints and handled loading, failure, and retry states across mobile workflows.
- Prepared responsive interfaces and release-ready builds against changing backend contracts.

Selected Engineering Work

Payment Middleware & Ledger Systems	Spring Boot services connecting payment rails, transaction state, settlement, and accounting reconciliation. Spring Boot / Spring Data JPA / PostgreSQL / Redis / Odoo
Production Mobile Platforms	Offline-first logistics, service-marketplace, and fintech workflows built for weak-network conditions. Flutter / React Native / BLoC / Riverpod / WebSockets
Automotive Marketplace Infrastructure	Mobile, web, and operations workflows for inventory, moderation, duplicate control, and listing analytics. Flutter / React / Node.js / PostgreSQL / Firebase
LLM Runtime & Orchestration	Queue-aware routing, warm workers, streaming backpressure, request cancellation, and Redis coordination. Go / Ollama / FastAPI / Redis / Docker
Oraahyo - Founder & Product Engineer	Designed and built a Somali-language knowledge platform spanning bilingual content models, search, reader accounts, and reading progress. Live with 25+ curated summaries and 90+ translated quotes. Next.js / React / TypeScript / Tailwind CSS / oraahyo.com
Dhiig-Baaq - Founder & Product Engineer	Built an emergency blood-response network connecting hospitals with eligible nearby donors across Mogadishu and Banadir. The live network has supported 340+ matched, life-saving donations. Next.js / React / TypeScript / Emergency matching / dhiigbaaq.com

Technical Skills

Backend

Go, Spring Boot, Node.js, FastAPI

Mobile

Flutter, Dart, React Native, BLoC, Riverpod

Data & integration

PostgreSQL, Redis, Firebase, JPA, REST, WebSockets

Web & platform

Next.js, React, TypeScript, Docker, CI/CD, Odoo

Education

Bachelor of Computer Application

Jamhuriya University of Science & Technology

2020 - 2024

Secondary Education Diploma

Al Huda Secondary School

2015 - 2018

[mohakavi.dev](#)

[github.com/kavi-kv](#)

[LinkedIn](#)