

KALEAB MEZGEBE

Mobile Application Developer - Flutter | Full-Stack Engineer

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PROFESSIONAL PROFILE

Dedicated and results-driven Software Developer with 1.5+ years of professional experience specializing in Flutter-based mobile applications and full-stack web systems. Experienced in designing scalable architectures, implementing real-time state synchronization, and optimizing performance for low-bandwidth environments.

Strong foundation in Clean Architecture and Hexagonal Architecture with hands-on experience delivering production-grade REST APIs and scalable database systems. Passionate about building high-performance digital solutions that solve real-world problems with measurable impact.

PROFESSIONAL EXPERIENCE

Niyat Consultancy, Mobile App Developer

07/2025 – Present

- Building and maintaining scalable mobile applications using Flutter.
- Developing production-ready features for client-facing systems.
- Applying Clean Architecture and reusable component patterns.
- Optimizing performance for real-world network conditions.

Key Project - Niyat Ride App (MVP)

- Architected and developed scalable ride-sharing MVP using Flutter.
- Implemented complex booking flows and real-time trip state synchronization using Bloc.
- Optimized UI performance for low-bandwidth environments.
- Delivered commercially viable prototype enabling market validation.

Ethiobeds Pension Reservation System, Full-Stack Developer

01/2025 – 03/2025

Project: www.ethiobeds.com

- Developed full-stack reservation platform used by real customers.
- Built responsive booking interfaces using React.js.
- Designed backend services using Node.js and Express.
- Engineered secure JWT-based authentication system.
- Designed scalable MySQL schema for booking and subscription logic.
- Built property-owner CMS with administrative controls.
- Delivered production-ready full-stack web application.

Grand Technology Solutions, Mobile App Developer (Intern)

11/2024 – 02/2025

- Developed Tigray Youth Association Member Management System (TYAMMS).
- Built Flutter mobile interfaces integrated with REST APIs.
- Bridged legacy SQL data with modern backend systems.
- Participated in Agile sprints for rapid feature delivery.
- Improved cross-device UI consistency.
- Reduced operational overhead by approximately 40%.

Tigray Culture and Tourism Bureau, Mobile App Developer (Contract)

03/2024 – 06/2024

- Developed Flutter-based cultural heritage registration system.
- Digitized manual workflows into structured digital user experiences.
- Integrated MySQL backend services.
- Implemented local caching for remote-area data resilience.
- Digitized 1000+ cultural records with geospatial accuracy.

EDUCATION

Bachelor of Science (B.Sc.) in Information Technology,

2018 – 2025

Mekelle Institute of Technology- Mekelle University

- CGPA: 3.88 / 4.00
- Exit Exam Result: 86 / 100

TECHNICAL SKILLS

Mobile Development: Flutter | Dart | Responsive UI Design | Advanced State Management (Bloc) | Animation & Performance Optimization | Offline Caching & Local Storage

Web Development: React.js | HTML/CSS/JavaScript | Responsive Web Interfaces

Backend Development: Node.js | Express.js | RESTful API Development | JWT Authentication | Secure API Design

Databases: MySQL | MongoDB | Database Schema Design | Relational Data Modeling

Architecture & Advanced Engineering: Clean Architecture | Hexagonal Architecture | Repository Pattern | Real-Time State Synchronization | Scalable System Design | Performance Optimization (Low-bandwidth environments) | MVP Delivery Strategy

Tools & Practices: Git & GitHub | Agile Development | API Integration | UI/UX Implementation | Production Deployment | Debugging & Testing

LANGUAGES

English: Professional Working Proficiency

Tigrigna: Native

Amharic: Native

PROJECTS

AI Dermatologist, *AI-Powered Diagnostic Platform*

- Developed AI-based skin condition diagnostic tool (Web & Mobile).
- Integrated computer vision model for instant skin assessment.
- Designed frontend-backend architecture for medical guidance system.
- Improved accessibility for early-stage medical screening.

CBEBirr App Clone, *FinTech UI Showcase*

- Developed high-fidelity clone of CBE mobile banking application.
- Implemented secure-style flows and financial UI architecture.
- Focused on smooth animations and structured component design.
- Demonstrated expertise in high-performance FinTech interfaces.

Hdyat E-Commerce Platform

- Developed multi-vendor e-commerce web platform.
- Built vendor dashboard and product management system.
- Designed scalable database architecture for marketplace logic.
- Enabled direct-to-consumer channel for traditional artisans.

Tigray Cultural Property Hub

- Developed geospatial metadata documentation platform.
- Implemented spatial tracking for cultural heritage assets.
- Digitized hundreds of properties for preservation.
- Strengthened digital documentation standards.

TYAMMS, *Youth Member Management System*

- Designed mobile-based member management platform.
- Enabled real-time data tracking and engagement monitoring.
- Improved administrative planning accuracy.