

Andinet Dereje

Full-Stack & Mobile Engineer

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Summary

Full-stack and mobile engineer who built a government platform serving 48+ municipal services with bilingual (Amharic/English) support, an e-commerce system for a leather manufacturer, and a fintech app for Ethiopian bank SMS processing. Focused on clean architecture, real-time data systems, and production-grade deployments.

Experience

Full Stack Engineer & Mobile Developer

June 2025 – Present

ITDB (Innovation and Tech Development Bureau)

- Lead frontend architecture for real-time municipal dashboards; cut live data render latency by ~60% (from ~800ms to ~320ms) across 48+ service views via WebSocket batching and memoized streaming
- Architected a 16-module NestJS / Prisma backend with bilingual (Amharic/English) CMS and audit logging; reduced average API response time by ~40% through query batching, Redis caching, and connection pooling
- Built a reusable bilingual component library used across all modules, eliminating ~70% of duplicate UI code and shrinking new feature build time from days to hours
- Integrated municipal data sources into a centralized real-time monitoring platform serving 48+ government services

Technical Skills

Languages	TypeScript, Python, Dart, Kotlin
Frontend	React, Next.js, TypeScript, Tailwind CSS
Backend	NestJS, Django, Laravel, PostgreSQL, Redis, Prisma
Mobile	Flutter, Drift, Kotlin
DevOps	AWS, Docker, GitHub Actions, CI/CD

Notable Projects

AWCSA System

2025

Full-stack platform for Addis Ababa Women, Children and Social Affairs Bureau. 16 NestJS modules covering adoption lifecycle, women/Edir/disability registries, complaint handling, and bilingual CMS. Auto audit logging, multi-step approvals, RBAC. Next.js 15 frontend with Radix UI, TanStack Query, and i18n. Docker & GitHub Actions CI/CD.

Tech: NestJS, Next.js 15, TypeScript, PostgreSQL, Prisma, Docker, CI/CD | [🔗 Live Site](#)

Sabawyan Leather

2024

SEO-optimized e-commerce platform for a leather manufacturer with multilingual catalog management, Stripe payment integration, and a headless Django CMS backend.

Tech: Next.js, Django, Docker, PostgreSQL | [🔗 sabawyan.com](https://sabawyan.com)

Faranka

2025–2026

Android app for SMS-based finance intelligence. Parses bank SMS from Ethiopian banks; auto-categorizes transactions; provides real-time budgets and spending insights – all on-device with no cloud storage.

Tech: Flutter, Drift, Kotlin, ML Kit | [🔗 faranka.et](https://faranka.et)

Education

B.Sc. in Software Engineering

2026

Addis Ababa Science and Technology University
CGPA: 3.5 / 4.0