

MOGES TESFAY

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SENIOR MOBILE DEVELOPER

Experienced mobile and backend developer with over 5 years of success delivering user-focused, scalable applications across fintech and communications sectors. Proven ability to lead cross-platform development and integrate complex third-party systems to support over 2 million users. Expertise in full SDLC with emphasis on design, development, and deployment of mobile-first products. Adept in Agile methodologies and CI/CD pipelines. Tech stack includes Kotlin, Java, Flutter/Dart, Node.js, Laravel, Firebase, and MongoDB.

- Mobile App Development • Cross-Platform Architecture • API Design and Integration • CI/CD Pipeline Automation
- Cloud Deployment & Scalability • System Architecture • Performance Optimization • Fintech & Payment Systems

Languages: Kotlin, Java, Dart, JavaScript,

Web Services: Firebase, Supabase

Web/App Servers: Firebase, Heroku, Node.js

Frameworks: Jetpack compose, Flutter, Express JS, Laravel

Databases: MongoDB, MySQL, SQLite

Design Patterns: Singleton, MVC, MVVM, Observer pattern

SDLC: Agile (Scrum), Waterfall

Tools: GitHub, Android Studio, GPT-4, Github Copilot

Platforms: Android, Windows, MacOS, Linux

Application/Software: Jira, Trello, RevenueCat, Posthog

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

PROFESSIONAL EXPERIENCE

6IRDVIEW TECHNOLOGIES, San Jose, California (Remote) • 04/2024 – 01/2025

6irdview (Birdview) Technologies is a remote tech services company connecting international developers with businesses worldwide across diverse industries.

Lead Software Engineer

Designed, developed, and deployed mobile applications for Mazoom.

- Reduced bug resolution and feature delivery time by 80% by re-architecting legacy codebases and introducing automated QA processes.
- Integrated Stripe, RevenueCat, and other third-party libraries to expand app functionality and streamline payments, tripling Mazoom's Android revenue.
- Led end-to-end Android development of Mazoom and Invite-Smart apps using Jetpack Compose, MVVM, Kotlin Coroutines, and Repository architecture.
- Implement offline-first architecture with RoomDB and Kotlin Flow to improve network efficiency and accessibility.
- Drive performance optimization and user experience improvements through proactive analysis of app activity data, pagination, caching, and minimized API requests.
- Applied security best practices, including HTTPS communication, Android Keystore, obfuscation, and credential hashing, to protect user data.
- Build and maintain CI/CD pipelines with GitHub Actions and Gradle to enable continuous deployment and accelerate release cycles.

Technologies Used: Kotlin, JavaScript, MySQL, Android Studio, UML, TensorFlow, GPT, GitLab Jobs.

BELCASH TECHNOLOGIES, Addis Ababa, Ethiopia • 02/2023 – 04/2024

It's one of the leading financial institutions in Ethiopia.

Lead Software Engineer

Lead developer of the Anbessa mobile banking app, that has around 2 million users.

- Led the Anbessa International Bank project, developing a platform serving 1M+ customers, implementing biometric authentication, and introducing an interoperable QR system enabling interbank transactions.

- Drove the development of the MamaPays UPI platform using Flutter/Dart, Kotlin, Node.js, MongoDB, and RESTful APIs, generating \$100,000 MRR.
- Built and maintained the HelloCash platform, enabling growth from \$2M to \$6M in daily transactions and from 6,000 to 150,000+ WAUs.
- Integrated multiple APIs/SDKs (Visa Cybersource, Telebirr, Safaricom M-Pesa, Chapa, Ethiopian Airlines) to support secure payments and third-party services.
- Created an automated bill-payment integration system that accelerated the rollout of new integrations and streamlined deployment workflows.
- Directed a team of 6–8 developers and designers using Agile methodologies, coordinating product roadmaps and code reviews to ensure 99.9% uptime and continuous improvement.

Technologies Used: *Flutter/Dart, Kotlin, Swift, JavaScript, Node.JS, MySQL, MongoDB, Nginx, Git.*

INDEPENDENT CONTRACTOR EXPERIENCE

Lewegen, Addis Ababa, Ethiopia • 02/2021 – 06/2021

Lewegen is a nonprofit company focused on developing projects that help less fortunate people in Ethiopia.

Full-stack Developer

Built the Lewegen platform.

- Developed the REALTOReth real estate marketplace app for Maz Technologies and pushed the full Android product to production.
- Built the Nayna Delivery food delivery app (Maz Technologies), designing the Android app in Kotlin/Jetpack Compose and delivering the MVP with a NodeJS backend.
- Created and deployed the Lewegen crowdfunding mobile application for the Lewegen Nonprofit Organization using Kotlin and Jetpack Compose.

Technologies Used: *Flutter, Kotlin, Node.JS, MongoDB.*

ACADEMIC PROJECTS

Maharishi International University (2025)

BlackJack app: Collaborated in a team to design and develop a multiplayer Blackjack web application using the MERN stack. Deployed the application on AWS with serverless Lambda functions and integrated WebSocket communication to enable real-time multiplayer interactions. Utilized ReactJS, NodeJS, TypeScript, AWS.

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 06/2027)

Maharishi International University, Fairfield, Iowa

Key Courses: *Algorithms, Cloud Computing, Web Application Programming, Enterprise Applications*

Software Engineering in Software Engineering

Addis Ababa Science and Technology University, Addis Ababa, Ethiopia (05/2021)