

EYOB HAILU

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SENIOR SOFTWARE ENGINEER

Results-driven Mobile and Frontend Web Developer with over 5 years of experience delivering responsive, high-performance applications that scale across platforms. Specializing in mobile-first development using Flutter, Native, and modern frontend technologies like React. Experienced in leading and contributing to impactful projects, including a remittance app, music streaming platforms, news and media apps, and a meter taxi solution. Consistently improved user experience, scalability, and performance, boosting engagement and retention. Operated across fintech, media, mobility, and health tech domains, often working end-to-end from UI/UX design to deployment.

- Cross-platform Development • CI/CD • API Integration • Application Architecture & Design
- Problem Solving & Debugging • End-to-End Application Development

Languages: Dart, Java, Kotlin, JavaScript, TypeScript

Web: React, HTML, CSS

Web Services: RESTful API, JSON, Microservices

Web/App Servers: Nginx, Nodejs

Frameworks: Flutter, Express, Spring

Databases: MySQL, MongoDB, Firestore

Design Patterns: Singleton, Facade, Factory, Abstract Factory, Template Method

SDLC: Agile

Tools: Git, Postman, IntelliJ, Docker, IntelliJ, JIRA

Platforms: Amazon Web Services (AWS), Firebase

PROFESSIONAL EXPERIENCE

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).

AARON TECH, Lorton, VA (Remote) • 06/2022 – 04/2024

A fintech company that provides online payments systems.

Sr Software Engineer

Developed various cross-platform and native mobile applications.

- Led the development of a fintech application using Flutter, Android, and Swift while focusing on performance, scalability, and intuitive design.
- Designed and implemented secure transaction workflows using Dart, ensuring compliance with financial regulations and seamless integration with external APIs.
- Implement real-time notifications and payment confirmation systems using/leveraging Firebase, improving user experience by 20%.
- Conducted testing and debugging to maintain high code quality, using Flutter_test, reducing app crashes by over 30%.
- Optimized mobile app startup time and responsiveness by refactoring UI components and leveraging platform-specific performance best practices across Flutter, Android, and iOS.

Technologies Used: Flutter, Kotlin, FlutterFlow, Android Studio, XCode, Firebase, Git, Stripe, CodeMagic, Plaid, Thunes.

FIDEL SYSTEMS, ADDIS ABABA, ETHIOPIA • 08/2020 – 03/2022

A tech company focused on building web & mobile applications for small to medium-sized enterprises.

Software Developer

Developed mobile and web applications for entertainment companies.

- Designed and developed news and media mobile apps for iOS and Android platforms, improving user engagement by creating clean, intuitive UI/UX interfaces.
- Created a music streaming mobile application with offline playback, personalized recommendations, and playlist management, using flutter resulting in a 25% increase in user retention.

- Built and launched custom mobile apps for content creators and small businesses, integrating push notifications, media playback, and in-app purchase using firebase, google & apple pay features to enhance user engagement and monetization.
- Implemented advanced mobile features such as biometric authentication, deep linking, using native (kotlin/swift) and firebase-dynamic-links and background data sync to enhance app security, navigation, and performance across platforms.
- Collaborated with clients to translate business requirements into technical solutions using jira & gitlab, maintaining a 95% client satisfaction rate.

Technologies Used: *Flutter, React, Kotlin, Figma, Android Studio, XCode, GitLab, Firebase.*

NAYNA TECHNOLOGIES S.C, Mekelle, Ethiopia • 04/2019 – 07/2020

A tech company focused on building consumer-facing apps.

Software Developer

Built consumer facing mobile apps.

- Designed and built a news aggregation app that fetched and displayed the latest articles from multiple sources in real time using Flutter and RESTful APIs.
- Created a COVID-19 monitoring mobile/web app to track cases, vaccinations, and safety guidelines using Flutter & React, achieving rapid adoption and positive user feedback for its reliability and ease of use.
- Managed and improved a meter taxi app, optimizing route calculations and integrating in-app payment features using Swift, resulting in a 15% increase in daily active users.
- Developed a multilingual mobile app with localization support using flutter_localization, enabling access for diverse user groups and expanding the app's reach across multiple regions.
- Collaborated with the product team to identify pain points in existing apps and implemented solutions, improving app performance by 25%.

Technologies Used: *Java, Swift, Flutter, Figma, Android Studio, Xcode, GitLab, Firebase.*

ACADEMIC PROJECTS

Maharishi International University (2025)

- **Digital Bank App:** Built a Spring Boot banking system with an AI microservice using Llama 3.2 (via Spring AI & Ollama) to deliver personalized financial insights by analyzing user transactions. Designed for scalability with independent microservices.
- **E-commerce:** Developed a serverless ecommerce app using Node.js, AWS Lambda, DynamoDB, and API Gateway. Automated infrastructure with Terraform and CI/CD via GitHub Actions, ensuring scalability, security, and high availability with S3 and Cognito. Utilized NodeJS, AWS, Terraform, GitHub.

PERSONAL PROJECTS

Data Analysis: Uncovering Cyclistic's Marketing Strategy through User Behavior Analysis 2023: Independently analyzed 4.5M+ Cyclistic bike trip records using Python and Excel to identify behavior patterns and recommend data-driven marketing strategies to boost annual memberships. Utilized Python, R, R studio, Kagel, Tableau.

EDUCATION

Master of Science in Computer Science

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

Maharishi International University, Fairfield, IA

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

Bachelor of Science in Computer Science & Engineering

Mekelle University, Mekelle, Ethiopia (07/2019)