

Computer Science Engineer

YONAS KUMELACHEW

Phone: (+251) 943 318 895

Email: Yonaskumelachew0@gmail.com

<https://github.com/yonasKu>

<https://www.linkedin.com/in/yonas-kumelachew-458256259>

<https://yonasku.vercel.app/>

Address: Addis Ababa, Ethiopia

Professional Summary

Highly skilled and detail-oriented software development professional with a strong background in coding and system development for Mobile and Web applications. Proficient in in-demand programming languages. I am committed to contributing to the success of any project..

Skills

Technical Skills

- **React Native (Advanced)**
- State Management: Redux, Context API, Zustand
- Authentication & Security: Firebase Auth, JWT, OAuth
- APIs & Backend: REST APIs, Node.js, Express.js, Firebase,

Other

Frontend: [React.js](#), Next, Nest, Angular, python
Backend: Node.js, Express.js, python
Databases: Firebase, MySQL, PostgreSQL ·
Version Control: Git, GitHub

Work Experience

Mobile App Developer – Eaglelion System Technology, Ethiopia (Addis Ababa) 2025-06-01 – Present

- Contributing to the development of the newly implemented CBE App.
- Working on major updates and new feature implementations for the Dashen Bank App.

Mobile App Developer – Addis systems, Ethiopia (Addis Ababa) 2025 – 2025-06-20

- Built and improved mobile apps by adding push notifications, multi-language support, and payment integration

Assistant Head of IT – East Africa Pharmaceuticals, Ethiopia (Addis Ababa) 2024 – 2025

- Oversee IT operations, ensuring efficient infrastructure performance and alignment with organizational goals.
- Lead system upgrades and manage IT projects to enhance operational capabilities.

Senior Mobile App developer - Mellys Fashion and Trading - 2024-02-01 / 2024-08-30

- Spearheaded the design, development, and maintenance of an all-in-one e-commerce chat application,
- Collaborated with cross-functional teams to integrate real-time messaging and E-commerce features.

ERP & Web App developer - KEN-techno, Ethiopia (Addis ababa)- 2023-08-15 - 2024-04-30

- Designed and deployed a comprehensive ERP system using ERPNext, and a restaurant website using WordPress, implementing SEO strategies

Projects

CNM App – React Native

- Developed a navigation using Mapbox for an app tailored for large campuses and warehouses, enabling efficient real-time location tracking and route optimization.

- Enhanced user experience with intuitive interfaces and seamless functionality.

Sproutbook – Full-Stack AI-Integrated App – React Native / Expo / Firebase (Client)

- Developed a full-featured client app with AI integration for journaling, recaps built end-to-end functionality including frontend, backend, and AI features using Expo and Firebase.

Day – DeFi App – React Native

Developed a decentralized finance (DeFi) app integrating Privy Wallet for transactions, implemented 0x API for gasless transactions, and Designed user-friendly interfaces for secure, efficient crypto interactions.

Ethiopia Informative App– React Native (Personal)

- Designed an educational and entertainment app showcasing Ethiopia's history, culture, landmarks, and cities with custom categories, including historical events, traditional entertainment, and must-visit places.

Fraud Detection for E-Commerce and Banking Transactions

- Built robust machine learning models using MLflow for tracking experiments and tools like SHAP and LIME for model explainability..
- Improved fraud detection transparency and accuracy, leading to more secure transaction processing

Education

Computer Science Engineering - Adama Science And Technology university - Ethiopia - 2018-10-10 - 2023-06-23

Certificates

Cisco Certified Network Associate (CCNA) – Cisco June 2022

10 Academy's KAIM 2 Training – 10 Academy - November 2024

Completed a 12-week intensive program focused on advanced AI mastery, including machine learning, deep learning, and real-world AI project development.