

# Yosef Worku

## Mid-Senior Software Engineer

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## SUMMARY

Full-Stack Developer with 3+ years of experience in the MERN stack and Android. Demonstrated success in optimizing performance and integrating APIs, with key achievements including a 4x speed improvement and developing an app with over 110K active downloads.

## EXPERIENCE

### Lead Software Engineer

#### Addis Software

11/2023 - Present Addis Ababa, Ethiopia

Led the development of the "Affcollect" platform as a Lead Developer

- Achieved a 4x improvement in scraping speed through efficient use of a clustered approach and code optimization
- Increased platform coverage by 26% through the integration of 5+ affiliate systems.
- Integrated third-party APIs and services, including 1Password, to expand system capabilities and enhance security features.
- Improved product stability by enhancing the error logging system, leading to faster issue identification and resolution
- Developed external REST APIs to enable third-party system integration

### Software Engineer

#### Addis Software

06/2022 - 11/2023 Addis Ababa, Ethiopia

Contributed to the "LinkBuilders" platform as a Full-Stack Developer

- Implemented a robust activity logging system to track, revert user actions and system events for efficient monitoring.
- Optimized the codebase through refactoring and maintenance, improving performance and code quality.
- Enhanced role-based access control at the attribute level in MongoDB to ensure granular permissions and data security of the platform.
- Converted the platform into a Progressive Web App (PWA) to improve performance, offline functionality, and user engagement.

### DevOps | Android Developer

#### IE Network Solutions

01/2022 - 06/2022 Addis Ababa, Ethiopia

- Streamlined software delivery: Implemented CI/CD pipelines using GitLab, Jenkins, and Apache2 server to automate and optimize the build, test, and deployment process.
- API testing: Automated API endpoint testing using RestAssured and JUnit4, enabling thorough and reliable testing of API functionality.
- Collaborated on ERP system development: Actively engaged in requirements gathering for ERP systems, working closely with stakeholders to understand business needs and translate them into technical specifications.
- Contributed to mobile app development: contributed to the development of "fleet drivers" android app.

## EDUCATION

Bachelor's in Electrical & Computer Engineering (Computer Stream)

Mizan Tepi University

2017 - 2022 Ethiopia

## SKILLS

Web Application Development

Mobile App Development Web Scrapping

Software Debugging

Data Structure and Algorithm

Code Refactoring

Problem Solving Teamwork

Node.js MongoDB Express.js

JavaScript Typescript Socket.io

Java MySQL SQLite Firebase

Puppeteer 2Captcha 1Password

React.js Redux Redux-saga

Tailwind PWA HTML CSS3

Next.js

Docker Gitlab Action Git Bash

VSCode Android Studio Xcode

## OTHER PROJECTS

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### GREMS Mobile App

📅 03/2024 - 09/2024

Client : Big Data labs technology FZE

- Developed a cross-platform mobile application for configuring and setting up wireless controllers using the BLUFI protocol.
  - Implemented features for seamless pairing of multiple Bluetooth sensors and devices, ensuring reliable and secure connectivity.
  - Designed a user-friendly interface to facilitate an intuitive setup process for users on both Android and iOS platforms.
  - **Technologies** : React Native, Objective C, Java, Xcode, Android studio
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### Android In-App Purchase SDK

📅 10/2022 - 11/2022

🔗 <https://yosefw1221.github.io/chapa-in-app-purchase-doc/>

I developed an In-App Purchase Android SDK to help developers integrate in-app purchases into their apps.

- Developed an open-source Android SDK for integrating Chapa payment gateway, enabling seamless in-app purchases with minimal code.
  - Implemented secure payment processing and streamlined integration for developers, simplifying the sale of apps with various plans and in-app items.
  - **Technologies** : Kotlin, Java, AES encryption
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### Mezgebe Tselot - Android App

📅 01/2021 - Present

🔗 <https://play.google.com/store/apps/details?id=com.yosef.ethiopian.orthodox.mezgebe.tselot>

Mezgebe Tselot was developed to support Orthodox Christians who have difficulty accessing physical prayer books.

- Created a digital prayer book for Ethiopian Orthodox Christians, offering features like downloadable prayer books and customizable user interface.
- Implemented automatic "do-not-disturb" mode during prayer times, reducing distractions and enhancing user experience.
- **100K+ active downloads, 72K+ monthly active uses and 4.7 rating.**
- **Technologies**: Android, Firebase, Cloud Firestore, SQLite.

## CERTIFICATION

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**MongoDB Certified Associate Data Modeler**

[View on creedly](#)