


# Abdrehim Misbah Abdella


## Software Engineer

✉ [abdrehimmisbah@gmail.com](mailto:abdrehimmisbah@gmail.com) ☎ +251 972122058 📍 Addis Ababa 🔗 Portfolio  LinkedIn  GitHub

### Education

**Software engineering**, *Addis Ababa Science and Technology University*  06/2022 – 08/2027  
Addis Ababa


- CGPA: 3.93/4.00 – Consistently on the President's List for academic excellence.
- **Relevant Coursework:** Data Structures & Algorithms, System Design & Analysis, Internet Programming, Mobile Computing, Operating Systems, Software Quality Assurance & Testing, Object-Oriented Programming (Java), Programming (C++)

**Coding Academy**, *Africa to Silicon Valley (A2SV) – Backed by Google*  01/2025 – 09/2025  
Addis Ababa, Ethiopia

- Completed an intensive software engineering program at Africa's leading tech academy (A2SV), joining a selective talent pool with 100+ offers to top tech companies including Google, Amazon, and Bloomberg.
- Mastered advanced data structures, algorithms, and system design by solving 800+ problems on LeetCode & Codeforces and collaborating on real-world projects at Eskalate.

### Professional Experience

**Software Engineer, Intern, Eskalate LLC**, *Africa to silicon valley*  06/2025 – 08/2025  
Addis Ababa, Ethiopia

- Built a Flutter-based e-commerce application using Clean Architecture and BLoC pattern, implementing secure authentication, full CRUD product management (add, view, edit), and a real-time chat system.
- Developed core app features including product management, user authentication, and Socket.IO  -based chat, enhancing user interactivity and simplifying product updates for managers.
- Worked closely with the backend team to integrate and optimize REST APIs, which led to smoother data handling and faster screen load times in testing environments.

### Projects

**A+ Tutorial Class App – Secure E-Learning Platform (Client Project)**  11/2025 – 02/2026

- Successfully delivered a subscription-based educational platform for university students on schedule for the *A+ Tutorial Class* agency, collaborating with a backend engineer to build a system that currently serves 2000+ active users.
- Engineered advanced offline Digital Rights Management (DRM) using Flutter, Clean Architecture, and BLoC, tracking OS-level kernel uptime to prevent date/time manipulation and securely encrypting downloaded course resources to prevent piracy.
- Implemented dynamic access control and real-time live MCQ contests, enforcing a strict single-device policy that instantly restricts access to both the app and downloaded offline content the moment a student's course subscription expires.

**Real English – Natural Immersion App (Personal Project)**  10/2025 – 01/2026

- Built an AI-powered full-stack language learning application that mimics how children naturally acquire language—through stories, context, and interaction rather than grammar-based study.
- Engineered a scalable content system combining AI-generated stories, audio, and images delivery, including an interactive story engine and a high-performance infinite video feed, optimized for smooth user experience and engagement.
- Designed and implemented an end-to-end gamification system that tracks user behavior (streaks, activity, progress) and translates it into a visual growth model, improving retention and encouraging consistent daily usage.

### Skills

#### Programming Languages

C++, Java, Python, JavaScript, Dart, PHP, SQL

#### Frameworks & Libraries

React, Next.js, Express.js, Flutter, TailwindCSS

#### Tools & Platforms

Git, GitHub, GitLab

### Achievements

- Received multiple Presidential Awards from the University President for exceptional academic performance.
- Mentored students in the GDSC 2026 Flutter program, delivering lectures and guiding learners in building mobile applications and mastering Flutter fundamentals.
- Recognized for Leadership and Community Service as Student Parliament President, earning 15+ certificates from schools and clubs for mentoring, teaching, and organizational contributions.