

Abel Erduno Hakenso

Software Engineer

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Education

Bachelor of Science in Computer Science , <i>Addis Ababa University</i> <ul style="list-style-type: none">Ethiopia's leading and oldest national university, consistently ranked among Africa's top institutions for science and technology.Relevant Course work Data Structures and Algorithms, Object-Oriented Programming, Database Systems, Computer Networks, Operating Systems, Artificial Intelligence, Web Application Development, Computer Security, Real-Time and Embedded Systems	01/2022 – 06/2026 Addis Ababa
Data Structure and Algorithm, and Software Development , <i>Africa to Silicon Valley</i> <ul style="list-style-type: none">Nonprofit program training African students in software engineering and algorithms; mentored 3,000+ and placed 50+ in top tech firms like Google and Meta.Solved 400+ LeetCode problems and trained for a year in DSA, system design, and collaborative software development.	01/2025 – 01/2026 Addis Ababa
Backend Software Engineering Program <ul style="list-style-type: none">Achieved 84.7% overall grade, mastering Django Models, REST Framework, and API Security.	08/2024 – 01/2025 Addis Ababa

Professional Experience

Mobile Developer Intern , <i>Africa to Silicon Valley</i> <ul style="list-style-type: none">Optimized cross-platform mobile applications using performance profiling tools, reducing app startup time by 30% and average memory usage by 15% on Android devices.Integrated RESTful APIs with JWT authentication, boosting session reliability by 35% and enabling secure real-time job updates.Improved app performance and UI responsiveness, reducing load times by 20% and crash rate by 10% using Bloc-based state management.Collaborated in agile sprints with 6+ developers using Git, Jira, and code reviews, increasing sprint completion rate by 15%.Designed reusable Flutter UI components improving development efficiency by 20% across multiple projects.	06/2025 – 09/2025 Addis Ababa
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Projects

JobGen , <i>AI-Powered Remote Job Finder & CV Optimizer</i> <ul style="list-style-type: none">Built a Flutter mobile app using clean architecture and BLoC, improving maintainability and reducing bugs by 40% during testing.Delivered core modules (auth, jobs, profile, chatbot) for 50+ pilot users, improving usability and stability.Optimized API calls and caching, reducing load time by 25% and enhancing offline access for 80% of pilot users.Partnered with backend and AI teams to improve matching logic, achieving a 30% rise in job-match accuracy.	
Smart Personal Finance Platform , <i>Flutter • Kotlin • React • Supabase (Postgres + Edge Functions)</i> <ul style="list-style-type: none">Built an ETB-first personal finance dashboard integrating bank, mobile-money, and cash transactions into a unified analytics view.Implemented AI-based expense categorization with 80% accuracy, JWT-authenticated APIs, and real-time dashboards for analytics.Engineered a mobile SMS ingestion module in Kotlin that processes 100+ transactions/day for early test users.	

Technical Skills

Languages <ul style="list-style-type: none">Python, JavaScript, TypeScript, Dart, C++, Java, PHP, Assembly	Databases/Tools <ul style="list-style-type: none">Supabase, PostgreSQL, MongoDB, Firebase, Git, Jira, Figma
Frameworks/Libraries <ul style="list-style-type: none">Flutter, React, Next.js, Node.js, Express.js, Django, Tailwind CSS, Redux Toolkit	Tools & Platforms <ul style="list-style-type: none">Google Play Console (publishing Flutter apps, signing & release builds, internal testing tracks, staged rollouts, and release monitoring)

Awards

Student Mentor <ul style="list-style-type: none">Mentored high school students in software development and data structures & algorithms (DSA), guiding them through hands-on projects and coding fundamentals.	06/2024
Ethiopian National University Entrance Examination <ul style="list-style-type: none">Ranked among the top 3% of students nationwide who passed the Entrance Examination.	09/2022

Africa to Silicon Valley (A2SV) Scholar

01/2025

- Selected among the **top 5% of applicants** for a highly competitive software engineering program.