

Yosef Lakew Feyissa Software Engineer

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EDUCATION

Bachelor's Degree in Software Engineering - CGPA: 3.59

Addis Ababa Science and Technology University [🔗](#)

September 2019 – July 2024

Addis Ababa, Ethiopia

- **Relevant Coursework:** Programming (C++), Object Oriented Programming (Java), Networking, Distributed Systems, Computer Security, Data Structures and Algorithms

Coding Academy

Africa To Silicon Valley (A2SV) - Backed by Google [🔗](#)

October 2022 – August 2023

Addis Ababa, Ethiopia

- Solved 400+ problems on platforms like **LeetCode** and **Codeforces**, strengthening skills in **data structures & algorithms**.
- Gained practical experience in full-cycle web development by implementing 20+ UI components from design mockups.

PROFESSIONAL EXPERIENCE

Full-Stack Developer

September 2025 – Present | Addis Ababa

Yuba Now [🔗](#)

I design and develop end-to-end web solutions that empower African founders to navigate their entrepreneurial journeys—from problem discovery to market validation. I work across the stack using **Next.js**, **Tailwind CSS**, and **FastAPI** to build fast, scalable, and intuitive platforms that enhance user experience and operational efficiency.

- Led the full-stack development of Yuba's core web platform, enabling founders to access AI-powered venture-building modules across discovery, validation, and business modeling stages.
- Crafted responsive, mobile-first interfaces using **Next.js** and **Tailwind CSS**, ensuring seamless navigation and accessibility for early-stage founders across Africa.
- Integrated **FastAPI** services to handle data-driven workflows, improving response times and enabling personalized, context-aware recommendations.
- Improved platform load times by **45%** and optimized rendering performance through code-splitting, caching, and image optimization strategies.
- Collaborated closely with venture builders, designers, and product leads to translate business goals into technical solutions that align with Yuba's mission of supporting inclusive innovation.
- Deployed modular, reusable components and implemented API integrations to support rapid feature expansion across modules like **Problem Validator** and **MVP Builder**.
- Adopted Agile practices, reducing sprint turnaround times by **30%**, and maintained clean, maintainable code through peer reviews and CI/CD pipelines.

Technical Lead |

July 2025 – Present | Addis Ababa, Ethiopia

Akil (by A2SV) [🔗](#)

- Led the technical architecture and development of Akil's web platform, ensuring scalability, performance, and security across all core modules.
- Oversaw the implementation of **secure user authentication** using JWT access and refresh tokens, improving overall system security by approximately **40%**.
- Directed and analyzed insights from **15+ user interviews**, identifying critical user pain points that guided the creation of **5 new high-impact features** enhancing usability and engagement.
- Supervised the design and deployment of **10+ new features and functionalities**, strengthening platform reliability and delivering a smoother, more intuitive user experience.
- Collaborated closely with cross-functional teams to align technical execution with product goals, while mentoring junior developers to ensure code quality and best practice.

Web Developer

December 2024 – Present

Akil (by A2SV) [🔗](#)

Addis Ababa, Ethiopia

- Implemented **secure user authentication** using JWT access and refresh tokens, enhancing system security by approximately **40%**.
- Conducted **15+ user interviews** to uncover user pain points and preferences, leading to the development of **5 new features** that significantly improved website usability and overall functionality.
- Designed and deployed **10+ new features and functionalities**, contributing to a more robust and user-friendly platform experience.

UI / UX Designer & Web Developer

October 2023 – November 2024

Eskalate (by A2SV) [🔗](#)

Addis Ababa, Ethiopia

- Collaborated within a **12-member cross-functional team** (mobile, web, backend, and product team) to design and develop Eskalate, a platform connecting Africa's top software engineering talent with global tech companies.
- Built the Eskalate website using **Next.js**, **TailwindCSS**, **TypeScript**, and **Shadcn UI**, enhancing SEO with meta tags and relevant keywords, which boosted **search engine visibility** and increased organic traffic by **40%**.

- Deployed the platform via **Vercel**, and used **GitHub** and **Google Cloud Platform** for version control and backend infrastructure.
- **Tech Stack:** Figma, Next.js, TailwindCSS, TypeScript, Shadcn UI, GitHub, Google Cloud Platform, Vercel

UI / UX Designer & Full-Stack Developer

Ethiopian Rock-Library Website

July 2022 – December 2022

Addis Ababa, Ethiopia

- Developed a public dataset platform for Ethiopian mineral rocks using Vue.js and Node.js.
- Simplified researcher uploads and access, boosting data submissions by 50%.
- Improved workflow efficiency by 30% through optimized data handling.
- Built a responsive, scalable, and user-friendly system for academic use.

PROJECTS

Fetena.com

Graduation Project

November 2023 – July 2024

- Led a **team of 6 engineers** through the complete design and development of an AI-powered exam management system.
- **Built an automated cheating detection system** using **Face API.js**, enabling real-time face tracking and reducing exam malpractice by providing continuous monitoring of examinee behavior.
- **Integrated an AI-powered chatbot** to streamline exam creation, increasing workflow efficiency by 30%, and reducing manual effort for instructors.
- **Tech Stack:** React, Node.js, Express.js, MongoDB, Face API.js, OpenAI API, TailwindCSS

SkimLit

AI Project using TensorFlow, NLP and Machine Learning

April 2023 – June 2023

- **Engineered a natural language processing tool** to improve the accessibility and readability of the **Randomized Controlled Trial (RCT)** abstracts for medical researchers and practitioners.
- Trained models on PubMed datasets **with over 200,000** medical abstracts, building upon research from PubMed RCT
- Improved the classification algorithm by integrating positional information, enhancing accuracy **by approximately 5%**.
- **Tech Stack:** TensorFlow, Python, Pandas, NumPy, Matplotlib, PubMed RCT dataset

SKILLS

Programming Languages:

Python, JavaScript, Typescript, Java

Frameworks and Tools:

Notion, Google Sheets / Excel, Next.js, Vue.js, TailwindCSS, NodeJS, Express.js, Figma, Github, GitLab

Other:

- REST APIs, TensorFlow, WebSockets, CI/CD pipelines.

ACHIEVEMENTS

- **Completed** – ALX Ventures Gig-at-a-Startup Programme for a 30-hour project delivering a real-world startup solution, StartWorks. ☐
- **Third Place** – AYuTe Africa Challenge Ethiopia for creating the digital platform AgriConsult, facilitating pre- and post-harvest scientific consultation. ☐
- **Graduated Cum Laude** – Ranked top in Software Engineering Department
- **Certified** – Data Analysis with Python (freeCodeCamp). ☐
- **Co-Founder** – Software Engineering Association, AASTU; organized university tech event ☐