

Nahom Amare Kifle, Software Engineer

Addis Ababa, Ethiopia | GitHub | LinkedIn | LeetCode | Codeforces

EDUCATION

Bachelor of Software Engineering

Jun 2021 – Jun 2025 | Addis Ababa, Ethiopia

Addis Ababa Institute of Technology

- **University Ranking:** 1st in Ethiopia, 7th in Africa.
- **Cumulative GPA:** 3.85/4.0.
- **National Achievement:** Ranked 15th nationally out of 330,000+ candidates on the Ethiopian University Entrance Exam (649/700).
- **Key Coursework:** Distributed Systems, Operating Systems, Machine Learning, Cloud Computing, Data Structures & Algorithms, Computer Networking

PROFESSIONAL EXPERIENCE

Full Stack Software Engineer

Dec 2025 – Present

0Chain (Züs Network)

Cupertino, CA, USA (Remote)

- Shipped **x402 (USDC on Base)** + **Stripe** payments end-to-end across the Go SDK, 0box backend, and web/iOS/Android clients, replacing free 2GB onboarding with a \$1 paid flow.
- Built a **real-time** activity-sync layer from blobber → 0box → web/mobile using **Kafka** + **WebSockets**, syncing file, wallet, and allocation events across tabs and devices.
- Added **MetaMask Web3** sign-in (web + Android) and a multi-wallet KMS flow keyed by Firebase UID, supporting split-key, recoverable, and Web3 wallets in one session.
- Owned the **v1.20** release across a 5-app Next.js monorepo (Vult, Blimp, Atlas, Bolt, Chimney), pinning the Go SDK and versioning the WebAssembly CDN.

Head of Academy ↑↑ (2x promoted from Intern)

Feb 2024 – Apr 2026 | Addis Ababa, Ethiopia

Africa to Silicon Valley (A2SV)

- Lead the Academy's cohorts (G6 & G7), managing **40** educators from **8** countries and serving students from **26** countries.
- Doubled program enrollment from **100** to **200+** and earned an **87%** 'Good'/'Excellent' rating via curriculum and workflow optimization.
- Delivered **10+** technical lectures on **Data Structures**, **Algorithms**, and **Python**, including **Linked Lists** and **BFS**.

Backend Engineering Intern

Aug 2023 – Oct 2023 | Addis Ababa, Ethiopia

Eskalate

- Led a team of **5** to implement a social media API using **ASP.NET** and **PostgreSQL** within **one month**.
- Engineered a modular backend with **Clean Architecture**, **EF Core**, and **CQRS**, delivering **35** API endpoints.
- Raised unit test coverage from **40%** to **70%**.

PROJECTS

PaaS for Simplified Cloud Deployment | NestJs, React, PostgreSQL, Docker, Traefik, Linux(VPS), Chapa

Oct 2024 – Jun 2025

- Engineered a **Platform-as-a-Service (PaaS)** that auto-deploys **Node.js** apps from GitHub, **Heroku-style**.
- Architected isolated runtime environments using **Docker** and **Traefik** as a reverse proxy to manage routing for **8-20** concurrent applications.
- Developed a domain setup process using **Let's Encrypt** for automated linking and **SSL issuance** in under **30 seconds**.
- Integrated **Chapa** payment gateway to process local **ETB** transactions, solving critical **FX** constraints for local developers.

Distributed Exam Portal | Go, React, RPC, Distributed Systems, MySQL, WebSockets, JWT

Jan 2024 – Feb 2024

- Designed and prototyped a fault-tolerant exam system for **500k+** concurrent users, leading a team of **5**.
- Implemented **geo-spatial** load balancing across **4** servers in **2** regions to reduce latency and ensure high availability.
- Built a real-time collaborative editor (**React**, **WebSocket**, **RPC** with **JWT**) that delivered updates **90%** faster than polling.

SKILLS

- Languages: **Go (Golang)**, **Python**, **TypeScript**, **C#**, **Java**, **Kotlin**, **Swift**.
- Frontend: **Next.js**, **React**, **Redux**, **WebAssembly**.
- Backend & Integrations: **PostgreSQL**, **MongoDB**, **Kafka**, **REST**, **WebSockets**, **NestJS**, **Firebase**, **Stripe**, **x402 (USDC/Base)**, **MetaMask**.
- Systems & DevOps: **Linux**, **Docker**, **AWS**, **Nginx**, **Git**.