

Tamirat Kebede

Software Engineer

tamirat.kebede@gmail.com | +251 931 088 792 | Adama, Ethiopia (Open to relocate to London, UK)
github.com/kika1s1 | linkedin.com/in/kika1s1 | leetcode.com/u/kika1s1 | codeforces.com/profile/kika1s1

SUMMARY

Software Engineer (BSc Software Engineering, 2026) with 2,400+ hours of production engineering across 23 client contracts, a LeetCode Knight ranked in the **top 4% of 886,000+** contest participants, and an A2SV (Google-backed) alumnus. Strong computer science fundamentals in data structures, algorithms, object-oriented design, operating systems and networks; builds scalable, reliable backend systems and REST APIs with C++, Python, Java, Go and TypeScript on Linux.

PROFESSIONAL EXPERIENCE

Upwork – Freelance Full-Stack Software Engineer (Top Rated)

2025 – Present | Remote

- Delivered **23 contracts and 2,400+ hours** for **14 international clients** (UK, Europe, US, UAE); **6 clients rehired** for follow-on work, earning Top Rated status with 18 client reviews.
- Built a 24/7 AI-powered voice agent for **OperatorX / BarrierX (UK)**, integrating the OpenAI API with real-time automation workflows; retained for 2 consecutive contracts.
- Built **Nora Legal**, a full-featured legal SaaS platform for a Belgian law firm, using Next.js, TypeScript and Supabase (PostgreSQL, Row-Level Security, Edge Functions, real-time subscriptions).
- Engineered a web scraper and semantic search system, PostgreSQL data applications, and Node.js / FastAPI REST APIs with Stripe billing and third-party integrations.

Eskalate – Team Lead & Backend Developer Intern

Jul 2024 – Sep 2024 | Addis Ababa, Ethiopia

- Designed and developed a scalable RESTful API backend, improving scalability by **30%** and cutting response times by **20%** through database query optimization and asynchronous processing.
- Implemented robust error handling and monitoring, reducing system downtime by **50%**; led the intern team as Team Lead.

A2SV (Africa to Silicon Valley) – Head of Education

Sep 2024 – Present

- Designed customized data structures, algorithms and backend curriculums; mentored 7 students, driving a **20% increase** in project completion rates.

EDUCATION

Adama Science and Technology University (ASTU) – BSc in Software Engineering

Graduated: Jul 2026 | Adama, Ethiopia

Coursework: Data Structures and Algorithms, Object-Oriented Programming, Advanced Programming, Operating Systems, Computer Networks, Database Systems, Software Architecture and Design, Artificial Intelligence, Web Development.

A2SV – Software Engineering Fellow (backed by Google)

Nov 2023 – Oct 2024

- Completed 1,000+ hours of intensive data structures, algorithms and problem-solving training; passed A2SV's rigorous [technical interviews](#).

ALX Africa – Holberton School – Software Engineering Program (Backend)

Sep 2022 – Sep 2023

- Built backend systems in C, Python and Node.js with PostgreSQL and MongoDB; projects in system architecture, authentication, Linux and cloud deployment.

PROJECTS

Afaan Oromo Image Captioning – Python, PyTorch, Transformers

2025 – 2026

- Built a deep learning captioning system for a low-resource language (40M+ speakers): ResNet50 CNN encoder + Transformer decoder with mBERT embeddings, using a custom dataset of **2,001 images and 10,004 native-speaker captions**; evaluated with BLEU, METEOR and ROUGE-L.

Breast Cancer Classification – Python, scikit-learn

2024

- Classified tumors as benign or malignant with an SVM; feature scaling and GridSearchCV hyperparameter tuning (3-fold cross-validation, 48 fits) raised accuracy from **58% to 97%** (F1-score 0.97).

TECHNICAL SKILLS

Languages: C++, Python, Java, Go (Golang), JavaScript, TypeScript, SQL, C

Backend & Frameworks: Node.js, Express.js, FastAPI, Django, REST APIs, Socket.IO, Microservices, JWT/OAuth, React, Next.js

Data & AI: PostgreSQL, MongoDB, Supabase, PyTorch, scikit-learn, Hugging Face Transformers, OpenAI API

Tools & Platforms: Git, Docker, Linux/Unix, Stripe, n8n, Cloud Deployment

Computer Science: Data Structures, Algorithms, Object-Oriented Design, Operating Systems, Computer Networks, System Design, Machine Learning

ACHIEVEMENTS & CERTIFICATIONS

- LeetCode Knight** – contest rating **1,923**, **top 4.04%** of 886,000+ participants across 35 contests; **1,499 problems solved** (808 Medium, 158 Hard).
- Top Rated Freelancer, Upwork** (Feb 2025) | **ALX Software Engineering Certificate** | **A2SV Education Program Certificate**