Lencho Lachisa Nagasa
Middle Software Engineer

SUMMARY

Software engineer with robust backend expertise, specializing in Go, Python, TypeScript, and C++. Holds a B.Sc. in Computer Science and Engineering with a 3.8 CGPA from a top Ethiopian university. Experienced in designing secure authentication systems for 5,000+ users using JWT, bcrypt, and Redis, and proficient in OAuth2 integration. Skilled in real-time backend development with WebSockets and Supabase, optimizing system performance by up to 30%. Adept in API design and documentation, enhancing maintainability and cross-team collaboration. Recognized for high-impact contributions in multilingual platform development and data-driven projects, with a strong foundation in algorithms, data structures, and machine learning. Proven ability to mentor and lead, fostering rapid onboarding and agile development practices.

TECHNICAL SKILLS

Main Technical Skills	Python (1 yr.), JavaScript (1 yr.), TypeScript (1 yr.), Go (1 yr.)
Programming Languages	Go (1 yr.), JavaScript (1 yr.), Python (1 yr.), TypeScript (1 yr.)
Mobile Frameworks and Libraries	Crashlytics
JavaScript Frameworks	Ext JS (1 yr.), React (1 yr.)
Go Frameworks	Gin (1 yr.)
Go Libraries and Tools	Gin (1 yr.)
Python Libraries and Tools	Matplotlib
AI & Machine Learning	PandasAI
Data Analysis and Visualization Technologies	PandasAI
Databases & Management Systems / ORM	MongoDB (1 yr.), MySQL, Redis, Supabase (1 yr.)
UI Frameworks, Libraries, and Browsers	Tailwind CSS (1 yr.)
Blockchain and Decentralized Software	Bcrypt
SDK / API and Integrations	Facebook Auth (1 yr.), JWT, OAuth

Version Control	Git, Github Actions
Collaboration, Task & Issue Tracking	Jira
Mail / Network Protocols / Data transfer	JWT, WebSockets (1 yr.)
QA, Test Automation, Security	Postman

WORK EXPERIENCE

Full-Stack Developer, Kenna Learning

Duration: Jul 2025 – Sep 2025

Summary:

- Developed multilingual learning platform (English, Afan Oromo, Amharic) with 99% uptime
- Built real-time features with WebSockets and integrated Supabase, improving backend response by 30% for 10,000+ monthly users

Responsibilities: Full-stack development including frontend and backend, real-time feature implementation, backend optimization, and multilingual platform support.

Technologies: React, NextJS, ExpressJS, TypeScript, Go (Gin), MongoDB, Supabase, Socket

Backend Engineer, RemedyMate

Duration: Jun 2025 – Aug 2025

Summary:

- Created backend APIs to analyze user input and provide feedback with disclaimers and red flags, collaborating with a 12-member cross-functional team
- Optimized the system for low-bandwidth environments by enabling 30% of the content to be downloadable for offline use, significantly improving accessibility and user experience by 35%

Responsibilities: Backend API development, collaboration with cross-functional team, system optimization for low bandwidth, enhancing user experience.

Technologies: Go, Next.js, Flutter

Backend Engineer, IKnow

Duration: Jun 2025 – Aug 2025

Summary: Implemented CRUD endpoints for exam management (admin) and prepared comprehensive API documentation to ensure maintainability, ease of integration, and smooth future updates.

Responsibilities: Backend development, CRUD endpoint implementation, API documentation.

Technologies: Go (Gin), MongoDB, Supabase, Socket

Software Engineer – Backend, Authentication Module Development

Duration: May 2022 – Aug 2027

Summary:

- Engineered and maintained authentication module with bcrypt, JWTs, and Redis for 5,000+ users, ensuring secure registration, login/logout, and password recovery
- Implemented robust authentication middleware with role-based access control
- simplified user onboarding, enabling new engineers to contribute to code within 3 days of joining
- Integrated OAuth2 login and documented all auth APIs in Postman, improving security and reducing login errors by 10%

Responsibilities: Authentication module development and maintenance, role-based access control implementation, OAuth2 integration, API documentation.

Technologies: bcrypt, JWT, Redis, OAuth2, Postman

EDUCATION

- **B.Sc. in Computer Science and Engineering**
  Adama Science and Technology University (ASTU) — a leading Ethiopian institution advancing excellence in science, engineering, and innovation. Relevant Coursework: Data Structures & Algorithms, Database, Operating Systems, Computer Networking, Machine Learning, Computer System Security, and Design and Analysis of Algorithms, Web Development. CGPA: 3.8/4.0
- **Data Structures and Algorithms, and Software Development Africa to Silicon Valley: Backend by Google • A2SV**
  A2SV is a non-profit tech academy and incubator, and has trained 1000+ software developers, 118+ of whom are offered full-time and internship opportunities at top-tech companies such as Google, Amazon, LinkedIn, Bloomberg and Databricks in the last five years. Completed a year-long competitive programming training, solving 700+ problems on LeetCode and Codeforces combined.

CERTIFICATION

- **Data Science Bootcamp Participant (Top 5 Finish)**
  CSEC Data Science Division & Zindi. Ranked 5th in a competitive machine learning bootcamp with a private score of 30.29. Engaged in hands-on projects leveraging satellite and weather data for PM2.5 air quality prediction, applying advanced data preprocessing, model optimization, and feature engineering techniques.