

Lencho Lachisa Nagasa

Senior Software Engineer

SUMMARY

- Engineer with strong foundation in Computer Science (CGPA 3.8/4.0) and extensive training in Data Structures, Algorithms, and Backend Development through A2SV and university education.
- Proficient in Python, Go, JavaScript/TypeScript, and C++, with hands-on experience building scalable backend systems.
- Ranked top 5 in a competitive Data Science Bootcamp, applying advanced ML techniques for environmental data analysis, showcasing strong analytical and problem-solving capabilities.

TECHNICAL SKILLS

Main Technical Skills	Python, Go (1 yr.), JavaScript, TypeScript, C/C++/C#
Programming Languages	Go (1 yr.), JavaScript, Python, TypeScript
C++ Libraries and Tools	C/C++/C#
Mobile Frameworks and Libraries	Crashlytics
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, PostgreSQL, Redis, Supabase (1 yr.)
UI Frameworks, Libraries, and Browsers	Tailwind CSS
Methodologies, Paradigms and Patterns	Agile
QA, Test Automation, Security	API testing, goMock, Postman
SDK / API and Integrations	API testing, JWT, OAuth

Blockchain and Decentralized Software	Bcrypt
Version Control	Git, Github Actions
Collaboration, Task & Issue Tracking	Jira
Mail / Network Protocols / Data transfer	JWT, WebSockets (1 yr.)
Soft Skills	Leadership, Mentor Aptitude
Other Technical Skills	Teamwork

WORK EXPERIENCE

Teaching Assistant – Python & Data Structures (Python & Data Structures Teaching)

Duration: Jan 2025 – Present

Summary: Provided in-person lectures on Python and data structures and algorithms to junior students, covering fundamental topics such as divide and conquer, linked list, tree, dynamic programming, and graph theory.

Responsibilities:

- Delivered over 10 comprehensive lessons on data structures and algorithms.
- Mentored and supported more than 50 junior students in understanding complex programming concepts.

Technologies: Python

Backend Engineer (IKnow)

Duration: Jun 2025 – Aug 2025

Summary: Developed backend services for an exam management system, implementing CRUD endpoints for administrative tasks and preparing detailed API documentation to facilitate maintainability and integration.

Responsibilities:

- Implemented CRUD endpoints for exam management.
- Prepared comprehensive API documentation to ensure maintainability and ease of integration.

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

Backend Engineer (RemedyMate)

Duration: Jul 2025 – Aug 2025

Summary: Contributed to a team project creating backend APIs to analyze user input and provide feedback with disclaimers and red flags, enhancing system accessibility for low-bandwidth environments.

Responsibilities:

- Developed backend APIs for user input analysis and feedback generation.
- Collaborated with a 12-member cross-functional team.
- Optimized content for offline use to improve accessibility.



Technologies: Go, Next.js, Flutter

Full-Stack Developer (Kenna Learning)

Duration: Jul 2025 – Sep 2025

Summary: Developed a multilingual learning platform supporting English, Afan Oromo, and Amharic languages, featuring real-time capabilities and high availability.

Responsibilities:

- Built a multilingual learning platform with 99% uptime.
- Implemented real-time features using WebSockets.
- Integrated Supabase to enhance backend performance.

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

Software Developer Intern – Backend - Eskalate (Authentication Module Development)

Duration: May 2022 – Aug 2027

Summary: Engineered and maintained the authentication module for Eskalate, supporting over 5,000 users with secure registration, login/logout, and password recovery functionalities.

Responsibilities:

- Developed authentication features using bcrypt, JWTs, and Redis.
- Achieved high test coverage with unit and integration tests using Go testing tools.
- Integrated OAuth2 login and documented APIs in Postman.

Technologies: Go, bcrypt, JWT, Redis, Postman, gomock, testify, httptest

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. CGPA: 3.8/4.0. Relevant Coursework: Data Structures & Algorithms, Database, Operating Systems, Computer Networking, Machine Learning, Computer System Security, and Design and Analysis of Algorithms, Web Development

• Data Structures and Algorithms, and Software Development

Africa to Silicon Valley: Backend by Google. A2SV is a non-profit tech academy and incubator, training 1000+ software developers with 118+ offered full-time and internship opportunities at top-tech companies.

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.

