Nahom Derese

Software Engineer

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Professional Experience

Mobile Developer, *Syntaxen Softwares* — Sep 2024 – present, Remote
- Integrated REST APIs to enable seamless user authentication, data retrieval, and real-time updates, reducing app data load times by about **15%.**

Backend Engineer, *Eskalate* ↗ — Apr 2024 – Sep 2024, Addis Ababa, Ethiopia
- Built and optimized REST APIs for blog management, including popularity sorting and **AI generated** content.
- Improved API error handling and logging for better admin oversight and security.

Mobile Developer, *Jedan Software* — Sep 2022 – Feb 2024, Remote
- Refactored legacy Flutter code to optimize widget rendering performance, reducing app load time by **30%** and cutting **150ms** off key transitions.
- Implemented **debouncing mechanisms** in user input forms, reducing redundant API, which improved backend performance.

Backend Engineer, *IE Networks* ↗ — Jun 2022 – Sep 2022, Addis Ababa, Ethiopia
- Automated email notifications with **Amazon SES**, streamlining ticket updates for employees and improving response times by **12%**.
- Improved system reliability by implementing **distributed tracing** with AWS X-Ray, enabling the team to resolve bottlenecks in high-traffic workflows and reducing error rates by **35%**.

Junior Developer (Freelance/Contract) — Jun 2021 – May 2022, Addis Ababa, Ethiopia
- *Worked on freelance mobile and backend projects, focusing on Flutter and Firebase, and delivered end-to-end features for clients.*

Projects

TemariCo, *Mobile app* ↗ — Jan 2023 – May 2024
- Achieved **4k+** downloads in the first few months and increased user retention by **15%** through smart study features.

Education

B.Sc. in Computer Science and Engineering, *Adama Science and Technology University* ↗ — Jul 2021 – Jun 2025, Adama, Ethiopia
- **CGPA**: 3.86/4.0
- **Relevant Courses**: Data Structures & Algorithms, Object-Oriented Programming, Networking, Distributed Systems, Software Design and Architecture
- **Award**: Ranked **1st** in Department

Competitive Programmer, *A2SV* ↗ — Feb 2024 – Oct 2024, Addis Ababa, Ethiopia
- Completed over **1000** hours of intensive training in Data Structures and Algorithms, tackling and successfully solving **900+** coding challenges on LeetCode and Codeforces.
- A2SV, a **Google-backed** tech academy and incubator, successfully placed **70+** students in top-tech companies

Leadership & Extracurricular

Head of Competitive Programming Division, *CSEC ASTU* — Jun 2023 – Jul 2024, Adama, Ethiopia
- Organized **35+** training contests and prepared over 20 teams for EtCPC.

Scientific Committee team, *EtCPC* ↗ — 2022 – 2024, Adama, Ethiopia
- Hosted online tutorials and managed City Cup contests, contributing original problems for competitive programming events.

Skills

Programming Languages: Python, TypeScript, Dart, Go, HTML, CSS │ **Framewroks:** Express, Node.js, GIN, Fiber, Flutter │

Database Management: DynamoDB, MongoDB, PostgreSQL │ **Technologies / Platforms:** AWS, Docker, Spark, Git

Certificates

AWS Certified Cloud Practitioner ↗

AWS Certified Solutions Architect - Associate ↗

ALX Cloud Computing Program ↗

Awards

Hackathon winner (3rd place), *GDG-Addis Hackathon* — Mar 2023
Secured 3rd place by redesigning Ethio Telecom's ↗ website using open-source CMS tools, within a competitive 48-hour challenge.

Ranked 2nd out of 120+, *A2SV - DP Challenge* — Jul 2024
Secured 2nd place out of 120+ participants in a dynamic programming challenge on AtCoder