

Dereje Desta

Software Engineer

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📍 Addis Ababa, Ethiopia

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EDUCATION

B.Sc in Software Engineering

Addis Ababa Science and Technology University

Oct 2019 – Sep 2024

Addis Ababa, Ethiopia

- Achieved a CGPA of **3.54** and an exit exam score of **82%**.
- Covered topics like Web, Databases, OOP (Java), OSs, Distributed Systems, AI & ML and others.

Advanced Backend Engineering

Gebeya

Nov 2023 – Mar 2024

Addis Ababa, Ethiopia

- Mastered microservices using Spring Boot (Java), Devops, Test-Driven Development, Agile methodologies, and Clean Code principles.

Software Engineering(Backend Stream)

ALX

Aug 2019 – Sep 2020

Addis Ababa, Ethiopia

- Engaged in project-based learning, development and deployment of backend applications using Python, Django, and Flask, MySQL and MongoDB.

PROFESSIONAL EXPERIENCE

Fullstack Developer

Safaricom Ethiopia

Jul 2025 – Present

Addis Ababa, Ethiopia

- Released customer-facing telegram bots, mini apps and web apps, boosting engagement by 40% and improving service accessibility.
- Automated customer interactions via Telegram bots, reducing manual support workload by 40%.
- Optimized backend services and APIs, supporting 50,000+ daily requests with 99.9% uptime

Fullstack Developer

ZamZam Bank S.C.

Aug 2024 – Jun 2025

Addis Ababa, Ethiopia

- Produced a Share Management System, improving workflow efficiency by 40% and reducing errors, leading to higher customer satisfaction.
- Shipped a web application to manage KYC users, integrating sanctioned and PEP lists, centralizing data, and increasing page speed by 40% compared to the legacy system.
- Integrated third-party fuel and bill aggregators, capable of handling 10,000+ requests per day.

Fullstack Developer

Omishtu-Joy Tech Solutions PLC

Apr 2023 – May 2024

Remote

- Redesigned a cultural product e-commerce platform and marketing website boosting online visibility and engagement by 30% via better UI and SEO.

Backend Engineering Internship

Perago Systems

May 2023 – Jul 2023

Addis Ababa, Ethiopia

- Contributed to the development of Contract Manager web application, improving contract processing efficiency by 35%.

SKILLS

Frontend: JavaScript, TypeScript, React.js, Next.js, Tailwind, ShadCN, HTML, CSS

Backend: Node.js, Nest.js, Java, Spring boot, PHP, Laravel, Python, Flask

Databases and Cache: MySQL, PostgreSQL, MongoDB, Redis, Meilisearch

Devops: Docker, Kubernetes, Jenkins, ArgoCD, Linux, Bash

PROJECTS

M-Pesa SDK for Java

Jan 2025 – Apr 2025

- Built a Java library for Safaricom M-Pesa API integration, reducing integration time by ~50% and cutting error-handling overhead by ~30%.

Demasko bot

Apr 2025 – Jun 2025

- Created a telegram bot providing a confidential space for discussing psychological challenges helping 100+ users.

Temarishare website

Apr 2023 – Aug 2023

- Constructed a platform that enables students to share and access academic resources helped 300+ student get resources.

EXTRACURRICULAR

Google Developers Student Club at Addis Ababa Science and Technology University

Backend Trainer

Oct 2023 – Jun 2024

Addis Ababa, Ethiopia

- Designed and delivered a hands-on backend development bootcamp using Node.js, Express.js, and MongoDB; mentored over 10 students to build real-world projects.