

Tolosa Mitiku Software Engineer

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EDUCATION

Bachelor of Science in Software Engineering

Oct 2015 – Jul 2020

Addis Ababa University

- CGPA **3.84 / 4**
- Ranked the best university in East Africa in 2021.
- Relevant Courses: Data Structures & Algorithms, Distributed Systems, Operating Systems, Computer Architecture, IT Security, Computer Networking, Big Data Analysis and Machine Learning

WORK EXPERIENCE

Head of Education and Software Engineer

Dec 2023 – present | Addis Ababa, Ethiopia

Africa to Silicon Valley

- Compiled course materials for **150+** students in Mobile development with **Dart** and **Flutter**.
- Provided training to **30+ Mobile developer interns** in **Dart** and **Flutter**, leading to quick project delivery.

Full Stack Mobile Developer

Jul 2022 – Nov 2023 | Addis Ababa, Ethiopia

Simbo Software

- Worked as a **project lead** in a team of three developers for 9 months.
- Developed a comprehensive **Telehealth system** enabling timely, high-quality patient care, serving as a **Full Stack Developer** with contributions across the **backend (Node.js)** and frontend (**React, Tailwind CSS**).
- Contributed to the establishment of **secure video chat links** between **patients** and **doctors**, by utilizing **web sockets** and **VoIP**.
- **Technologies Used:** TypeScript, Node.js, Express, MongoDB, React, Tailwind CSS

Software Engineer Intern

Aug 2020 – Jun 2022 | Menlo Park, CA, USA

Eskalate

- Created a platform for High School and College Students to access and share educational resources such as Books, Videos, and Quizzes.
- Designed and deployed **RESTful APIs** using **Node.JS**, Express, **OTP**, **MongoDB**, **Docker**, and **Kubernetes**, focusing on **modularity** and **security** enhancements.
- Enhanced mobile app stability and frontend resilience in Flutter applications by implementing robust **QA** frameworks using **Flutter's integration** and **widget testing tools**, alongside **Postman** for API testing and **CI/CD pipelines** with **GitHub Actions** and **Jenkins**. This approach reduced bug rates and improved user satisfaction through consistently high software quality.
- **Technologies used:** Node.Js, Express, MongoDB, Dart, Flutter

PROJECTS

Advert

May 2023 – Nov 2023

- Led the design and implementation of a city-wide billboard advertising platform enabling advertisers to search, reserve, and manage outdoor ad placements via an intuitive dashboard.
- Developed scalable backend services using **Django**, **PostgreSQL**, and **Celery**, with **RESTful APIs** for seamless frontend integration.
- Integrated **machine learning models (TensorFlow)** for automated profanity detection and content moderation.
- Built admin dashboards and user interfaces using **React**, **Tailwind CSS**, and **Redux**, ensuring responsive design and optimal UX.

Tourvago

Aug 2020 – May 2021

- Designed and developed backend architecture for a travel booking platform that connects users with vetted travel agents based on region, interest, and budget.
- Built robust APIs using **ASP.NET Core**, **Entity Framework**, and **SQL Server**, enabling dynamic search, user management, and booking functionalities.
- Implemented **authentication** and **secure session** handling using **OAuth 2.0**, and optimized **database queries** for improved performance and **reduced** latency.

SKILLS

Programming Languages — JavaScript, TypeScript, Python, Dart, C# | **Frameworks/Libraries** — Node Js, Django, Flutter, |

Technologies — Docker, Git | **Databases** — MySQL, PostgreSQL, MongoDB, GraphQL