

Dawit Zeleke *Software Engineer*

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📍 Addis Ababa, Ethiopia

🔗 Github

🔗 Portfolio

🌐 LinkedIn

EXPERIENCE

Backend Developer Intern, Xceltech Solution

03/2024 – 06/2024

- Developed backend services for a Human Resource Management System using **.NET Core**.
- Implemented **test driven development**.
- Integrated **Docker** for containerization, enabling consistent environments and simplified deployment across multiple platforms.

Software Engineer, Africa to Silicon Valley

08/2023 – 10/2023

- Trained with and used Flutter, Figma and project management tools to a proficient level.
- Facilitated direct communication with the Mobile team to verify app functionalities; this resulted in a streamlined testing process, allowing for the identification and resolution of bugs.
- Implemented 25% of the project's UI from the Figma Design.

EDUCATION

BSc in Software Engineering,

08/2021 – present

Addis Ababa University (Best University In Ethiopia)

- **Relevant Courses** - Data Structures and Algorithms, Web Development, Mobile Application Development, Operating System, Object Oriented Programming, Database Systems, Fundamentals of AI and Cyber security.
- Graduating in July, 2025.

Coding Academy, Africa to Silicon Valley (Backed by Google)

02/2023 – 10/2023

- Up-skills high-potential African Students, connects with top Silicon Valley companies and creates digital solutions to urgent problems in the home countries.
- **50+ students** were placed in top tech companies such as **Google**, Bloomberg, Palantir in the last 5 years.
- solved **500+ problems** on Leetcode and Codeforces.

PROJECTS

HRMs, A Human Resource Management System

03/2024 – 06/2024

- A human resource management web application built using the ASP.Net Core framework adhering to **clean architecture** guidelines.
- Responsible for developing and testing the Api's in a comprehensive manner.
- Completed **30%** of the backend implementation.

Football Analysis, A Football Analysis System

10/2024 – 11/2024

- A detection and tracking system built using **Python**.
- Trained a custom detector with **100 epochs in Google Colab** for improved accuracy.
- Implemented **KMeans clustering** for pixel segmentation, assigning players to teams based on t-shirt colors, and used **optical flow** to analyze camera movement.
- Applied **perspective transformation** to calculate player movements in meters, measuring **speed** and **distance covered**.

Horizon, A Financial SaaS Platform

08/2024 – 10/2024

- A **Next.js** application that connects multiple bank accounts, displays real-time transactions, and facilitates fund transfers between users.
- Implemented ultra-secure SSR authentication with robust validation and authorization.
- Integrated Plaid for multi-bank account linking and Dwolla for secure fund transfers.

TECHNICAL SKILLS

Languages: Python, Java, C#, Dart, HTML/CSS, JavaScript, MySQL, MongoDB, PostgreSQL, Golang, TypeScript.

Developer Tools: Git, GitHub, Docker, Figma.

Technologies/Frameworks: Linux, React.js, Next.js, Express.js, Flutter, .Net, OpenCV.

CERTIFICATES AND AWARDS

Certificate of Excellence - National Examination

10/05/2021

- Recognized as a **top 0.08%** performer out of over 338,528+ students in 2021.