



Natnael Assefa

Full-Stack web developer

As a Full Stack web app developer with a passion for leveraging technology, I specialize in using React (JavaScript and TypeScript), SpringBoot (Java), Python. With a track record of successfully delivering projects on time and within budget, I currently serve as a senior software developer. Committed to staying abreast of the latest technologies and trends, my expertise extends to integrating AI solutions for innovative problem-solving.

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WORK EXPERIENCE

Senior software developer Fineto IoT products

10/2021 - Present

Addis Abeba, Ethiopia

A tech company based in Finland, works on almost every tech aspect.
Check: <https://fineto.fi/about>.

Achievements/Tasks

- Collaborated with a team to develop a drag and drop component builder application in Vue and React that improved the user experience of the application.
- Designed and built responsive, independent and powerful react components and UIs that increased the application's performance and scalability. The components were tested and found to be 30% faster than the previous version.
- Built a fully-functional web app using technologies like Vue React, Gradle, Sandpack (client), and SpringBoot that increased user engagement by 50%.
- Developed a Windows app using Python that writes patient records to an Excel file. The app uses the Excel file as a database, which improved the efficiency of the record-keeping process by over 80%.
- Promoted to senior react developer in 4 months due to exceptional performance and contributions to the team. During this time, I contributed heavily in a team of 5 developers and delivered 2 major projects on time and within budget.

Contact : Sami Mohammed - sami.mahamoed@fineto.fi

EDUCATION

Computer Engineering Bahir dar University

10/2016 - 08/2021

3.0

Courses

- Algorithms
- Database
- Data structure
- Software Engineering

SKILLS

Javascript

Typescript

React

Python

Node

Networking

Java

Git

MongoDB

MERN stack

SpringBoot

Gradle

React-Redux

Express.JS

CSS

Vue.js

Next.js

REST API

FastAPI

Flask

PERSONAL PROJECTS

Ethiopian counterfeit currency detection system. (02/2021 - 06/2021)

- My system was able to detect the difference between a fake currency and the real one if a picture is presented to it. Deep learning was used to train my system.

House Security System (07/2021 - 12/2021)

- This system was able to detect any movement around a house particularly its door, and take a picture and process it and if a face on the picture looks unknown, warns the owner to start the video camera and survey, the system can be turned off or on. Used Arduino, camera, Panasonic sensor and a python script to process image.

Clinic Card Management System (09/2022 - 11/2022)

- This system was designed for windows desktop using Python, and uses excel file for data storage, to store patient information. It receives full name, phone number, age, sex, residence and a unique number. And it uses all these information to look it up in the excel for future use.

LANGUAGES

English

Full Professional Proficiency

Amharic

Native or Bilingual Proficiency

INTERESTS

Developing

Books

Tech news

Sport