Mezekr Weldu
Full Stack Developer

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Summary

Full-stack software developer with a background in data processing and machine learning. Specialises in developing websites, web applications, and React Native applications. Leverages eagerness to solve challenges and creativity to design and implement responsive web applications from start to finish, including debugging, testing, and deployment. Thrives on finding opportunities to work with clients to bring their ideas to life and solve the problems they face.

Skills & Tools

Frontend

- HTML, CSS, JavaScript, Typescript
- React, Angular, Redux, Material, Bootstrap, SASS/SCSS
- AJAX, JSON, jQuery
- Mobile Apps: React Native, Expo, PWA, TDD & BDD
- Testing automation with Jest. Cucumber, Puppeteer
- Docker, CI/CD
- UX/UI: User stories, user flow

Backend

- NodeJs & Express
- Restful API, JSON, Insomnia
- AWS lambda, Firebase, Render, Netlif
- Relational & non-relational: PostgreSQL, MySql and MongoDB

Data processing and visualization

- Python, Numpy, matplotlip, plotly, Scipy, Libros, Jupyter Notebook

Devtools

- Git, GitHub/GltLab, VS code, WSL , ubuntu

Education & Certificates

Certificate in Full Stack Web Development

Careerfoundry | 12.2023 - 06.2024

- Intensive project-based training program focused on JavaScript, HTML, CSS and the most prominent web development frameworks, libraries, tech stacks (MERN and MEAN) and tools.
- 900+ hours of hands-on training and projects with guidance from industry-leading tutor and mentor

M.S. in Applied Computer Science

TU Bergakademie Freiberg | 10.2019 – 09.2022

B.S. in Computer Engineering

Eritrean Institute of Technology, Mai-Nefhi | 09.2008 – 07.2013

Language

- German (C1)
- English
- Tigrinya

Selected Web Development Projects

MeziFlix-app - 01.2024 - 02.2024

Backenend server side app with bussines logic to store movies & users data

- Developed RESTful API with Node.js, Express, and MongoDB, integrating JWT and Passport for authentication.
- Conducted comprehensive API testing using Insomnia.
- Tech-Stack: JavaScript, React,Angular, Nodejs, Express, MongoDB, Bootstrap, Material, Git, GitHub, REST-API, Docker

(MeziFlix-app) (API Code)

MeziFlix-client - 02.2024 - 03.2024

A Movie Hub app that allows users to create an account, access information about movies, add them to favourites, and edit or delete their account.

- Responsive single-page front-end client app for the Meziflix-app backend app
- Built with React and styled with Bootstrap and Sass.
- Tech-Stack: JavaScript, React,Angular, Nodejs, Express, MongoDB, Bootstrap, Material, Git, GitHub, REST-API, Docker

(MeziFlix-client) (Code)

Meet App - 03.2023 - 04.2024

An On and Offline platform where users can request information on upcoming events, filter them by cities and view statistical graphs.

- Built a serverless progressive web app (PWA) using React with AWS Lambda.
- Established unit, integration, acceptance, and end-to-end tests to ensure the quality of React components.
- Integrate Google Calendar API for enhanced functionality.
- Tech-Stack: JavaScript, React,Angular, Nodejs, Express, MongoDB, Bootstrap, Material, Git, GitHub, REST-API, Docker

(Mezimeet) (Code)

Previous Work

Software Developer

FERCHAU GmbH (Pulsotronic GmbH & Co.) | 03.2023 - 07.2024

- Designed and developed a software module for data preprocessing, data cleaning, and applying statistical and frequency analysis.
- Tech-Stack: Python, Pandas, Scipy, Librosa, Git, Gitlab, Jupyter Notebook, Plotly

Software developer (research assistant)

TU Bergakademie Freiberg | 12.2020 - 06.2022

- Development of an algorithm for parsing and aggregating GitHub repositories based on various search and filter criteria
- Analyze GitHub repository and studied team activity in open source projects to develop a concept for effective student collaboration in software development teams.
- Tech-Stack: Python, Pandas, Git, GitHub, GitHub REST-API, Jupyter Notebook