Mezekr Weldu
Full Stack Web Developer

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Summary

Full-stack web developer specializes in developing responsive websites, web applications, and React Native mobile applications, with software development experience in data processing and machine learning. Leverages eagerness to solve challenges and ingenuity to develop interactive web applications from inception to deployment. Seeks an opportunity in full-stack web development to work collaboratively with clients, bring their visions to life, and overcome obstacles.

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
- 900+ hours of immersive, project-based training that prioritises best practices, guided by an industry-leading tutor and mentor.
- Focuses on JavaScript, HTML, CSS and prominent full-stack frameworks, libraries, tech stacks (MERN and MEAN), deployment and development tools.

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 (Back-end)   01.2024 - 02.2024
Server-side app business logic for storing and managing movies & user data
- Provides a RESTful API developed with Node.js, Express, MongoDB and integrates JWT and Passport for authentication
- Conducted comprehensive API tests with Insomnia
- **Tech-Stack**: JavaScript, React, Angular, Nodejs, Express, MongoDB, Bootstrap, Material, Git, GitHub, REST-API, Docker

`API Code`

MeziFlix-client (Front-end)   02.2024 - 03.2024
Movies Hub app that enables users to create an account, access movie information, add/remove movies to favorites, and edit/delete their account
- React responsive single page application (frontend client to Meziflix backend app)
- Developed using React and designed using bootstrap and sass
- **Tech-Stack**: JavaScript, React, Angular, Nodejs, Express, MongoDB, Bootstrap, Material, Git, GitHub, REST-API, Docker

`MeziFlix-client`   `Code`

Mezimeet App   03.2023 - 04.2024
Progressive Web App enables users to discover events in cities globally, showing event details and offering filtering options by city or event count.
- Development with unit testing, integration testing, acceptance testing, and end-to-end testing methodologies.
- Implemented with AWS Lambda Serverless, React, and fetches upcoming events from the Google Calendar API
- **Tech-Stack**: JavaScript, React,Angular, Nodejs, Express, MongoDB, Bootstrap, Material, Git, GitHub, REST-API, Docker

`Mezimeet`   `Code`

Previous Work

Software Developer   03.2023 - 07.2024
FERCHAU GmbH (Pulsotronic GmbH & Co.) |
- 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 (R. assistant)   12.2020 - 06.2022
TU Bergakademie Freiberg
- 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