Mezekr Weldu
Full-stack web developer

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Summary

Full-stack web developer with expertise in building responsive websites, web apps, and React Native mobile apps honed through CareerFoundry's rigorous 900+ hour program, & 2+ years of experience in data processing and machine learning. Seeks an opportunity in full-stack to tackle complex challenges, bring innovative ideas to life, and deliver tailored solutions that meet clients' needs.

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: Jest. Cucumber, Puppeteer
- Docker, CI/CD
- UX/UI: User stories, User flow, Wireframes

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

Data processing and visualization
- Python, Numpy, matplotlip, plotly, Scipy, Libros, Jupyter Notebook

Devtools
- Git, GitHub/GitLab, VS code, WSL , ubuntu

Education & Certificates

Certificate in Full Stack Web Development

CareerFoundry (Remote)   12.2023 - 06.2024
- 900+ hours of immersive, project-based training that prioritizes best practices, guided by an industry-leading tutor and mentor.
- Focuses on JavaScript, Typescript, HTML, CSS and frameworks/libraries including React, Angular, Nodejs, Express, MongoDB and React Native for mobile app development.
- Completed 6+ hands-on projects on the web technologies stack, resulting in the development of interactive and responsive web apps and implementing appealing to UX/UI.

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

Selected Web Development Projects

MeziFlix-app (Back-end)   01.2024 - 02.2024
Server-side app business logic for storing and managing movies & users 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, Nodejs, Express, MongoDB Atlas, mongosh, REST-API, JSON Insomnia, Git, GitHub, 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 styled using CSS, Bootstrap and SASS
- **Tech-Stack**: HTML, CSS, JavaScript, React, Bootstrap, Material, Git, GitHub, REST-API, Docker

MeziFlix-client   Code

Mezimeet App   03.2023 - 04.2024
PWA lets users discover events in cities worldwide, displaying event details and filtering by city or number..
- Developed using TDD methodology, covering unit, integration, and end-to-end testing
- Implemented with AWS Lambda Serverless, React, and fetches upcoming events from the Google Calendar API
- **Tech-Stack**: JavaScript, React, CSS, SASS, Jest , Puppeteer, Cucumber, Recharts

Mezimeet   Code

Previous Work

Software Developer   03.2023 - 07.2024
FERCHAU GmbH (Pulsotronic GmbH & Co.) |
- Implemented a software module for data pre-processing and statistical analysis, resulting in more accurate frequency analysis.
- **Tech-Stack**: Python, Pandas, Scipy, Librosa, Git, Gitlab, Jupyter Notebook, Plotly

Software developer in the research project DiP-IT

TU Bergakademie Freiberg   12.2020 - 06.2022
- Streamlined data retrieval by engineering a Python package to fetch open source repository data from GitHub using RestAPI, resulting in efficient data storage for analysis.
- Optimized data quality by conducting thorough data cleaning, processing, and anomaly detection, resulting in improved decision-making and enhanced business outcomes.
- Created an algorithm to address the GitHub RestAPI rate limit, improving data handling and fetching time.
- **Tech-Stack**: Python, Pandas, Git, GitHub, GitHub REST-API, Jupyter Notebook