

# Mezekr Weldu

## Full Stack Developer

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Freiberg, Germany

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## Summary

Full-stack software developer with a background in data processing and machine learning. Specializes in developing websites, web apps, and React Native apps. Leverage eagerness to solve a problem as well as creativity to design and implement responsive web apps from start to finish, including development, testing, debugging, and deployment. Excited to help clients realize their ideas and solve problems with my expertise.

## 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, matplotlib, plotly, Scipy, Libros, Jupyter Notebook

### Devtools

- Git, GitHub/GitLab, 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

Backend 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