Mearaf Tadewos Tiranchie

SOFTWARE ENGINEER

FULL-STACK | BACKEND | FRONTEND | DAPP | DESKTOP

CONTACT

mearaftadewos@gmail.com
Mob: 251 911782752
Po.Box: 22489
Addis Ababa, Ethiopia

EXPERIENCES   2017 - Present

Waya – *DAO Architect Assistance and Software Developer*

April 2022 - May 4 (part-time)   May-5 - Present(Full-time)

Developing Software for waya collective alpha and designing governance of the decentralized autonomous organization on Cardano Blockchain.

UpStack — *Software Developer* **January 2022 - April**

Project-Based commitment as a python developer which includes Javascript development of some projects.
Professional web Application development routines such as requirement specifications, developing the backend and frontend, scrums, and standups.
Programming languages: Python, Javascript | Node, React, Django, Flask.

MMCY Tech — *Software Engineer* **June 2021 - Jan 2022**

FullStack Decentralized Application development on Ethereum Blockchain, APIs, and features for web applications including client requirement interpretation and choosing appropriate software architecture. Daily standup and weekly scrum with the dev team.
Programming languages: Solidity, Javascript, Python.
Frameworks and tools: Node.Js React.JS, Hard Hat, Hasura GraphQL, Stripe Payment integration, Slack API, PostgreSQL, PostMan, Github.

FloCash — *Software Developer* **March 2021 - June 2021**

Full Stack Web Application Developer
Developed and tested web application features
Programming languages: Javascript.
Frameworks and tools: Node.Js, React.JS, PostMan, Github.

Freelancer — *FullStack, Web and Mobile Developer*
January 2020 - March 2021

Developed web apps and mobile apps
Programming languages: Python, Javascript, Java, PHP
Frameworks and tools: Node.Js, Django/Flask, React.JS, Vue.Js, Android, Laravel, MySQL, MongoDB, PostMan, Github

SKILLS

Algorithms

Data structure

Backend Dev

Full Stack Dev

GraphQL

SQL Database

No-SQL Database

Reusable code

Automation code

Machine Learning (Basic)

DApp on Ethereum Blockchain

PROGRAMMING LANGUAGES

Python

Java Script

Java

Solidity

Haskel

IOHK — *Plutus Tester (Part-time)* **April 2019 - May 2019**

Tested and reported bugs in Plutus Playground for a smart contract that controls the creation and managing of wallets and crowdfunding online.

Ahadu Tech — *FullStack Web Developer*
October 2017 - December 2018

Developed and tested web applications, endpoints, and features including client requirement interpretation and choosing appropriate software architecture. Daily standup and weekly scrum with the team.

Programming languages: Javascript

Frameworks and tools: Vue.Js and NodeJs, MongoDB, PostMan, Github

Addis Technologies — *Website Developer and Administrator*
June 2017 - September 2017

Designed and managed websites for clients and managed commercial content for a restaurant listing website using WordPress.

Heyday Computers — *Website Development Trainer and Training Coordinator*

January 2017- June 2017

Programming languages: Javascript and PHP
Frameworks and tools: Xampp Server, MySql

EDUCATION

Jimma University — Computer Science First Degree

October 2012 - July 2016

GPA: 3.18: A, A+, and A- in subject-matter courses: Data Mining, Image Processing, Algorithm and Data Structure, and Algorithm, Analysis of Algorithm, Object-Oriented Programming, Programming one and two.

Gebeya IT Academy — Mobile Application Engineering
May 2019 - October 2019 (Short Training)
Done a capstone project for graduation.

IOHK Education — Haskell Programming Language
January - March 2019 (Short Training)
Done a capstone project for graduation.

Udemy — Solidity Programming Language
June - August 2021 (Short Training)
Done a capstone project for graduation.

CLOUD

Heroku

Firebase

Hasura GQL Engine

Google Cloud

Netlify

DATABASE MANAGEMENT

MongoDB

PostgreSQL

MySQL

SQLite

FRAMEWORKS

HardHat, Truffle

React, Vue, Android, Kivy

Django, Node.JS, Flask

PROJECTS

Meeting Tracker — Web/Mobile App
Github: Company Github (Team Project)

A full-fledged web and mobile application to assist an existing online event platform that served for 15 years, that helps clients and users to follow up their coming and ongoing meetings in all the handy tools the app provides like alarm, push notifications, email notifications, duty care for physical places with local Covid-19 data, natural disaster, restaurant, and Hotel Recommendations and many more.

Language and tools: JavaScript, OpenTable Api, Weather API, CovidTracking Api, HasuraGraphQL with PostgreSQL, Node.JS, React.JS

Crdle — Web App
Github: Company Github (Team Project)

A Full-fledged B2B marketplace for suppliers and buyers with user authentication and category, payment gateway with Stripe, admin dashboard, product listing, and featured products, database, Slack notification integration.
Made for an international start-up connecting African suppliers with vendors all over the world.

Language and tools: JavaScript, SlackApi, StripeApi, HasuraGraphQL with PostgreSQL, Node.JS, React.JS

NFT Market Place — *DApp*
Github: https://github.com/mearafGitHub/Writers_Block

A Full-fledged NFT Marketplace for script-writers to save and showcase their works in a safe digital place. The app runs on Ethereum Blockchain.

Language and tools: React Frontend and Solidity Smart contract in Hard Hat(web3+MetaMask) and NodeJs Backend to save the files with encrypted Id with the file content**.** The next version will save files in StorJ a distributed file storage.

Cryptocurrency Price Update — *Telegram Bot*
Github: https://github.com/mearafGitHub/crypto_price_tg_bot

A cryptocurrency price and other details updater python telegram bot that displays the update every time there is a change**.**

Language and tools: Python | Coinbase API.

VERSION CONTROL
Git Hub

Git Lab

IDE & TEXT EDITORS
PyCharm

Jupiter Notebook

VS Code

IntelliJ

Android Studio

OPERATING SYSTEM
Linux

Mac

Windows

Email Standby Checker — *Automated Bot*

Github: *https://github.com/mearafGitHub/email_checker*

It sends emails to a given company email address and checks if the address is receiving emails(to check the email server is working)**.** If the account received the email it returns true to the App server, if not it returns false. Developed for local usage in the company esp. For the account managers of an online event organizer platform used by thousands of clients all over the world.

Language and tools: Python | Gmail SMTP API

A* Algorithm Path Finder Visualizer — *Desktop App*

Github: https://github.com/mearafGitHub/Path-Finder-Visualization_A-star-Comparison-Algorithm-

Provides a canvas for the user to set start node, end node, and barriers and visualizes the routes that the algorithm covers drawing the shortest path in a different color at the end.

Language and tools: Pygame and MatPlot | Python

Prediction-Classification — *Desktop Program*

Github: https://github.com/mearafGitHub/Prediction-Classification

Predicts student grade and classifies cars type reading data from a file.

Language and tools: Numpy, SkLearn, Pandas, and Tensorflow | Python.

Instagram Bot — *Desktop Program*

Github: https://github.com/mearafGitHub/InstagramBot

Auto-login and manage my posts on my Instagram Account.

Language and tools: Selenium | Python.

Poll — *Django App*

Github: https://github.com/mearafGitHub/Poll-Creator

Allows Owners or Admin to create, edit, delete polls and choices from the admin dashboard answers as well as see the votes for each choice. Voters can see votes for each choice.

Language and tools: Django and PostgreSQL | Python

Agri-AI — *Mobile and Desktop App* (Undergoing Development)

Github: https://github.com/mearafGitHub/Agri-AI

Software for farm owners to get knowledge and information to produce organic products for chosen raw materials.

LANGUAGES

English: *Bilingual*

Amharic: *Native*

German: Learning

Language and tools: KivyMD, Kivy | Python

Real-time Chat App — *Web App*

Github: *https://github.com/mearafGitHub/chat-app*

Real-time group chat web application for unlimited users with google OAuth to login.

Language and tools: VueJs Frontend and Firebase Backend

Recipe — *FullStack Web App*

Github: https://github.com/mearafGitHub/FoodRecipe-Share-App

Full-fledged web app for chefs to share their recipes for a dish. It has Users' authentication and authorization via registration and login page. Users' posts content like images, name of the dish, description, and details are shown on the home page. Each post has details and shows the full detail of the recipe in a nice modal.

Language and tools: NodeJs/ExpressJs, VueJs, MongoDB database

Company Staff Mood — *Android App*

Github: https://github.com/mearafGitHub/Company_Staff_Mood

Android native app in *MVVM architecture* for a company to see the daily moods of their staff to know what is bothering them and for employees to shares their moods along with reasons. It Archives and provides an admin screen. Connects with NodeJs backend that uses MongoDB.

Language and tools: Android Studio | Java

Design Market — *Ecommerce Web App*

Github: https://github.com/mearafGitHub/FoodRecipe-Share-App

E-commerce web front-end app that provides an online design marketplace for graphic designers to showcase and sells their works with PayPal.

Language and tools: ReactJs | JavaScript

Perma — *Android App*
Github: https://github.com/mearafGitHub/perma-app
Simple android native app that teaches and guides in organic cultivation displayed in the Amharic language

Language and tools: Android Studio | Java