



# Bisrat Awoke

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## ● ABOUT ME

I am an experience full stack developer who is in love with development. I am a techno buff who has a firm grasp of all the sides of the development sphere and there is nothing that I have not tried. But my true expertise is web development and it is in this field that I truly shine. From design to implementation , from testing to deployment and maintenance , I will deliver with time to spare.

## ● WORK EXPERIENCE

01/10/2021 – CURRENT Addis Ababa, Ethiopia

**FULLSTACK DEVELOPER** 360GROUND

1. Designing systems
2. Development of high quality web applications
3. Testing web applications
4. Deployment of web application on various cloud based infrastructure's
5. maintaining developed and deployed web applications

01/07/2022 – 31/12/2023 Addis Ababa, Ethiopia

**FULLSTACK DEVELOPER (REMOTE PART TIME)** MARAKI CONSULTANCY

- Designing the system
- Reviewing code
- Testing
- Developing new features

## ● EDUCATION AND TRAINING

2017 – 2021 Ethiopia

**BACHORS DEGREE IN INFORMATION TECHNOLOGY** Bahirdar University

**Website** <https://bdu.edu.et/>

## ● DIGITAL SKILLS

node JS | express | Django, Django REST framework | Golang | Gofiber | React | React native | Typescript | aws | firebase | docker | git | sql | css | html | ELASTIC STACK (ELK)

## ● ADDITIONAL INFORMATION

### PROJECTS

06/2023 – CURRENT

**Ministry Of Agriculture Data Lake** A Data Lake serves that serves as a centralized repository, consolidating information on agricultural activities conducted across various domains. Leading the development of a transformative Data Lake for the Ministry of Agriculture, I integrate data from 13 systems, providing real-time insights into agricultural practices, budgets, and achievements. This centralized repository powers a user-friendly dashboard for decision-makers, scholars, and data scientists, facilitating efficient information gathering and analysis. This initiative promotes transparency, collaboration, and informed decision-making, contributing to the sector's innovation and sustainability.

**Ethiopian Idols contestant audition submission and judges admin panel** Developed Web application that the contestants can submit auditions and a admin dashboard that the judges can use to review the auditions and make decisions. The app was built using golang as the main backend and the telegram bot through which the users can upload there audition tapes was built using javascript and telegraf. When the contestants uploads there audition tape and personal information the telegram bot upload the file to aws s3 bucket then sends the users info along with the link to the video to the golang server. The admin will then interact with the react based admin portal to see and give judgment on the contestants audition. The react app gets its information from the golang server and provides means to show the contestants audition tapes as well as update the status of the contestant to either accepted or rejected.

**Link** <https://t.me/EthiopianIdolBot>

**Dstv queue management system** A full stack application that the staff of Dstv use to manage the various requests customers make in real time. The application is built using aws api gateway , aws simple queue management system ,aws lambda function , aws dynamodb and nextjs.js. So how this app works is a user will call the dstv staff for a certain service then a staff member will add the users info and request to the queue. The staff memeber will use the nextjs ui to enter the users info then the nextjs app will make a request to the aws lambda function through the aws api gateway. The aws lambda function will then insert the request containing the user info into the aws simple queue management systems. Another staff memeber will then use the nextjs app to read the data from the queue and process them accordingly. The lambda functions are written in javascript.

**Link** <https://qmsuat.meda.chat/>

CURRENT

### **Maraki consultancy**

A comprehensive full-stack application built using React, React Native, and Express. The primary objective of this application is to provide students with a convenient platform to apply for overseas education programs. The application offers a user-friendly interface developed with React and React Native, ensuring seamless navigation and optimal user experience across both web and mobile platforms. Students can create personalized profiles, upload their academic credentials and other necessary documents, and submit online applications directly through the platform.

**Link** <https://maraki-ec47e.web.app/>

CURRENT

**Static web hosting service (Swiftbase)** Swiftbase is a platform as a service that offers developers with various service that they can utilize to develop and deploy there web application. One of the services is a Static web hosting service which allows developers to easily host there frontend application. The application was built using nestjs , typescript , docker and render and it lasted about two months.

**Link** <https://swiftbase-docs.onrender.com/docs/Static-site-deployment>

**Serveless function hosting (Swiftbase)** This is another service offered by swiftbase and it is a serverless function hosting service which allows developers to write and deploy a serverless application. The application was built using nestj , postgres , docker , render and it took about three months to develop and ship. This project was a blast to develop because i got to learn alot about the internal working of nodejs specifically the require module.

**Link** <https://swiftbase-docs.onrender.com/docs/Lambda-function-deployment>

**Nosql database (Swiftbase)** Swiftbase is a platform as a service that offers developers with various service that they can utilize to develop and deploy there web application. One of the services is a Nosql database that runs on the cloud that developers can use to build there database. It comes with a simple to use sdk that developers use to perform operations on there database. It was built with nestjs , postgres , docker , render and the developement lasted about a month. This project was very interesting because i learned how to work with json objects in postgres.

**Link** <https://swiftbase-docs.onrender.com/docs/swiftbase-db>

**Swiftbase Cli** An npm package that provides developers a command line interface that they can use to interact with the Swiftbase backend. Using this package developers can create swiftbase project that contain many services such as web hosting , serverless functions and no sql database. This project was built using javascript and nodejs and it took three months and still counting. This projects was very

interesting because i never really knew how hard it was to develop a maintainable cli and it made me appreciate all those cli that i used with out being aware of the difficulties of developing a maintainable cli.

**Link** [https://www.npmjs.com/package/swiftbase\\_cli](https://www.npmjs.com/package/swiftbase_cli)

**Swiftbase database Software development kit** An sdk that developers can use to interact with there swiftbase database. It provides easy to use methods that developers can use to perform operations on there swiftbase database. The sdk was built using nodejs and typescript and the development took about one weeks and counting. This project was fun to build and it was the first sdk that built and i learned alot about functional programming concepts such as closures will developing this application.

**Links** [https://www.npmjs.com/package/swiftbase\\_db\\_sdk](https://www.npmjs.com/package/swiftbase_db_sdk) | [https://www.npmjs.com/package/swiftbase\\_db\\_sdk](https://www.npmjs.com/package/swiftbase_db_sdk)

**Learning management system for Ethiopian chamber of commerce** A learning management system built for the Ethiopian chamber of commerce that provides a virtual learning environment. So teachers can upload courses and performance measuring documents such as test's and assignments and students can take the test and upload assignments using the interface we provided. The web application is built using angular for the frontend and nodejs and canavaslms for the backend , it used mysql as database and redis for caching.

**Link** <http://ecc.360magic.link/courses>

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