

AGBAOSI BOLARINWA MINASU

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PROFILE SUMMARY

Passionate engineer with years of professional experience specializing in embedded systems and secure software solutions. Strong background in low-level programming, firmware development, and cybersecurity principles. Skilled in designing, testing and optimizing resource-constrained systems with a focus on reliability and security.

TECHNICAL SKILLS

Programming Technologies: Java, GoLang, Python, JavaScript, TypeScript, MicroPython, embedded C, C++, C, flutter, move, assembly lang, move, solidity

Development Frameworks: Springboot, Buffalo, Gin, Flask, Reactjs, Vite, sui, nodejs, x86 asm, AVR asm, TASM asm, NASM asm, EasyEda, platformIO
Databases: Sql, MonogoDb, PostgressSql

Technologies: Rest ApI'S, Maven, Postman, Test Driven Development (TDD), GitHub, HTML, CSS, TailWind, Redux, Jest, Pytest, UnitTest, IOT, Tubor, kali linux, OWASP, Selenium, Appium, CI/CD, GITHUB-Actions, Jupyter, Pandas, Machine Learning, Blockchain, Docker, Kubrernetes

Operating Systems: windows, linux

Development Boards: raspberry-pi, arduino, Esp32, AVR

PROFESSIONAL EXPERIENCE

Semicolon Africa - Software Engineer

May 2024 - May 2025

- **Test Driven Development:** I having been able to use TDD to enhance code quality and make development cycle time shorter and also gives me assurance that my business logic works as it should
- **Full_Stack development:** I have succesfully utilized reactjs and flutter to build the user interface (UI) of my app and have been to use springboot and buffalo and other technologies and integrate my

frontend with backend, ensuring seamless data flow and synchronization between the client and server. By utilizing RESTful APIs and handling asynchronous operations, I have facilitated efficient communication and enhanced the overall user experience

- **API Development:** I have successfully utilized Spring-boot, Flask, Buffalo, and Gin to develop Restful APIs, ensuring they are available for efficient client-server communication. My experience encompasses designing and implementing robust APIs that facilitate seamless data exchange and integration between the front-end and back-end
- **Front-end Expertise:** i have seasoned skill in building in crafting intuitive, responsive, and visually appealing user interfaces. My expertise encompasses a wide range of technologies, like HTML, CSS, JavaScript, ReactJs, nextjs, flutter
- **Data Management:** I have seasoned experience using mysql, MongoDB, PostgressSql
- **Web3:** I have worked on the sui blockchain ogchain, xdc, solana, etherium , network, leveraging on the sui move to program the smart contract

Luna Tech Hub - Golang and IOT Engineer

June 2023 - March 2024

- Worked as a golang engineer and programmed high level api using golang and its frameworks like gin, buffalo, and echo, also built some iot project using raspberry pi , like company attendance system and also worked with ESP32 too , and worked with modules like RFID kits , Fingerprint module, BMS, buck converter and many more, integrating software with hardware

Geminfotech plc - Desktop Publisher

January 2017 - May 2020

- I was able to work with computer and work with computer networking and desktop publishing application like word processing soft wares like msword, spreadsheet application like msexcel, spss, designing

application like corelDraw, photoshop and more desktop publishing applications like power-point autocard and more

Olive Concepts plc - Site Manager

February 2021 - April 2022

- Oversaw construction site operations and managed the block production division while employed at [Olive Concepts]

Oak house Lagos - Entertainer

February 2023 - May 2023

- Worked as an entertainer, playing the saxophone to entertain lounge customers and serving as the live band leader, am also an artist my stage name is mystery

Freelance and Volunteer Work

- Built a pos machine on the team for a fintech startup
- Built a smart traffic light for undergraduate student project
- Built a password cracker hardware device for undergraduate student project, that when plug into a device it cracker the password of the system
- Built a biometric attendance system for my project in school
- Built crypto wallet based on the sui blockchain environment
- Wrote test script for a betting mobile app platform
- Built an hardware blockchain communication library
- Built smart waste bin as the cto of a startup

EDUCATION

Semicolon Africa

Software Engineer

2024 - 2025

Yaba College of Technology, Lagos

Ordinary National Diploma - Computer Science

2022 - 2025

Gemifotech

Desktop publishing

2016 - 2017

PROJECTS

Mysterious Library app (Personal Library management application)

Technologies: HTML, CSS, Bootstrap, buffalo, Mysql

- Developed a library management app for a single library use that helps keep a library record about their books and users

To do App

Technologies: Reactjs, Redux, Tailwind, MongoDB, Springboot, Maven

- I built a To-Do application using reactjs to develop my front-end and springboot for my back-end

Movie Recommendation App

Technologies: Reactjs, Redux, TMDB API

- I built a movie recommendation application, i consumed an external API from TMDB to get movie images and details about the movie

Voting dapps

Technologies: Nextjs, Redux, Tailwind, move,

I built a voting decentralized application using sui blockchain, move and nextjs

Customized Blockchain Ai

Technologies: python, sui, ethereum, xdc, ogchain, solana

I built a chatbot you can ask blockchain related questions