Kabiru Ibrahim Lamin

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OBJECTIVE

I'm a passionate and results-driven Software Engineer with a solid foundation in TypeScript, Go, and back-end development. I thrive on building robust systems and have hands-on experience with database management, Linux kernel, and modern software architecture concepts like microservices, gRPC, and RESTful APIs. I love tackling challenges, learning new technologies, and writing clean, efficient code that just works. With a background in Computer Science and a knack for problem-solving, I'm excited to bring my skills to innovative projects, creating secure, reliable, and optimized software solutions that make a real impact.

EDUCATION

Coventry University — Coventry, UK
Bachelor of Engineering in Electrical and Electronics Engineering — *Aug. 2015 – Jul 2019*

Nile Univeristy — Abuja, NG
Master of Science in Computer Science — *Aug. 2021 – Nov 2023*

EXPERIENCE

Maintenance Engineer — Sep 2019 – Jul 2020
Ministry Of Petroleum Resources — *Abuja, NG*

- Served as a maintenance superintendent as part of a 1 year compulsory national service program (nysc)
- Onsite checks on company resources, maintaining logs and ensuring all records are in compliance with safety requirements
- Electrical repairs and improvements, as well as other regulatory subjects and other duties assigned by the chief Engineer

Backend Engineer intern — Jul 2024 – Sep 2024
HNG.tech — *Remote*

- Design, implement, and manage robust and scalable APIs using NodeJs to support the functionality of web and mobile applications
- Create comprehensive and user-friendly documentation for APIs using Swagger to ensure that developers and other stakeholders can easily understand and utilize the provided functionalities. Include detailed explanations, code examples, and usage scenarios.
- Contributed 1K+ lines of code to an established codebase via Git
- Collaborate in groups with other members to address and resolve assigned tasks and bug reports

PROJECTS

YarnIt | *TypeScript, React, PostgreSQL, GraphQL*

- Developed Yarnit, a full-stack Reddit clone with integrated voice input functionality, using TypeScript, React, and Node.js
- Implemented a GraphQL API with TypeORM and PostgreSQL for efficient data management and querying
- Integrated Redis for caching and session management, enhancing application performance and scalability

Momentos | *JavaScript, C++, Crow, Next.js, PostgreSQL, CMake*

- Built Momentos, a photo storage application using C++ at the backend and Next.js at the frontend, enabling users to securely store and manage pictures in one place
- Developed backend services with Crow (C++ web framework) and integrated with PostgreSQL for efficient data storage and retrieval
- Utilized CMake for project build automation and managing C++ dependencies
- Engineered responsive UI with Next.js, ensuring seamless user experience across devices

Genome Analysis Read Mapper | *C, C++, Cuda, Linux, CMake*

- Master;s degree thesis project, which involved accelerating a critical step in genome analysis
- Developed efficient hardware and software optimizations on known solutions
- Achieved a 1.21 speedup compared to similar solutions using the same GPU specs.

Technical Skills

Languages: C++, Python, JavaScript, Golang, SQL
Frameworks: React, Next.js,Node.js, TailwindCss, Postgres
Developer Tools: Git, Docker, Visual Studio, CMake, PowerBI