Elijah Johnmicheal Ayodeji

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EDUCATION

Covenant University, Nigeria
B.Eng in Information & Communication Engineering *Graduating Aug 2023*

EXPERIENCE

Greynote, *Senior Software Engineer* *Sept 2022 – Present*
- Researched and developed an online student management platform for schools, ensuring user alignment and current design standards
- Built client and admin web dashboards with data visualization using TypeScript, Next.js, and React, perfectly aligned with design requirements.
- Developed a robust back-end architecture, API, and efficient database mapping system using Node.js, Express.js, GraphQL, Mikro-ORM, and PostgreSQL.
- Managed user sessions and cache storage with Redis for optimal performance and security

ScanTECH/Isoplus Nigeria, *Software Engineering Intern* *Apr 2022 – Sept 2022*
- Configured and deployed a virtual private server on AWS Lightsail, resulting in a 50% reduction in server setup time compared to previous deployment methods.
- Collaborated with a team of developers to build an online employee onboarding platform using TypeScript, Next.js, GraphQL, Node.js, Express, and PostgreSQL, which reduced the onboarding time by 30% and increased overall efficiency by 25%.

Otaso Limited, *Frontend Developer* *Jun 2021 – Oct 2021*
- Implemented UI designs with 80 - 95% accuracy and collaborated with UI designers and backend developers in building mobile and web applications.

PROJECTS

SWISS Weather Monitoring Dashboard | **Typescript**
- Designed the wireframes, mockups and high-fidelity prototype while following design principles.
- Implemented the designs in Frontend code, using Next.js, React.
- Utilized REST API and axios to fetch data from ML models and sensors and visualized the data using charts on a dashboard.

The ZCAMP Network | **Demo** | **Typescript**
- In a team of 2 developers, we built a university student forum with subgroups. Used Node.js, TypeScript, GraphQL, PostgreSQL, and Redis to write over 2,000 lines of robust backend code.
- Implemented frontend development using Next.js, TypeScript, and GraphQL with over 5,000 lines of code, incorporating advanced features such as comment threads and moderation similar to Reddit.
- Developed a forum chat web application utilizing web sockets with socket.io and TypeScript to enable real-time communication between users, contributing to a seamless and engaging user experience.

Quasar Payment System | **Demo** | **Typescript, Python**
- Collaborated in a hackathon to develop a payment solution using Flask, Python, REST API, and PostgreSQL. Implemented OpenAI Whisper, Regression models, and DistilBERT for audio queries and loan rankings, enhancing AI and backend skills.
- Designed and built a web dashboard using Next.js, TypeScript, and Axios with over 5,000 lines of code. Incorporated features such as financial data visualization, audio AI chat, loan rankings, and social banking functionality.
- This project won 3rd place at the Hackit Challenge organized by 3Line Card Management

SKILLS

Languages: Typescript, Javascript, Python, Java, C++, HTML, CSS
Tools: Linux, Git, Docker, AWS, Dokku, Digital Ocean, Next.js, React.js, GraphQL, Node.js, Flask, SQL, MongoDB, PostgreSQL, Figma, Chakra-UI, TailwindCSS, MUI