Wisdom Nyebet Okon
SOFTWARE DEVELOPER

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Profile:
A Software Developer with years of experience specialising in full-stack development using React, Node.js, and TypeScript. Proficient in developing robust, scalable, and user-friendly web applications. Demonstrated ability to drive projects from conception to completion while maintaining high-quality standards and efficiency. Known for a collaborative work style and a strong problem-solving aptitude. Strives to stay current with the latest technologies and approaches in software development, and eager to apply this knowledge to new challenges

Academic Qualifications:
- 1st class Honours (B.S. Software Engineering, University of Bedfordshire) 2022 – 2023
- Advanced Diploma in Software Engineering, Aptech Computer Education 2019 – 2021

Work Experience
Software Developer
Thejiro limited | Manchester, UK, September 2022 – July 2023
- Improved Knowledge of Application servers, Apache, Linux, Cloud Hosting and Nginx Servers.
- Improved ability to work in a fast-paced start-up environment.
- Built applications and Restful APIs in Python (Flask).
- Migrated old JavaScript code to TypeScript.
- Updated PHP codebases using CodeIgniter 3 to CodeIgniter 4.
- Created a user to use and efficient file-based data management system in Node.js.
- Created APIs for existing applications in PHP.
- Wrote Command Line Scripts in Java.
- Built GUI applications in JavaFX.
- Built an online blog in Java EE.
- Built Simple Applications in Android Studio using Java.
- Improved password security by using cryptography algorithms to hash and store user passwords.
- Collaborated with a team of 6 developers to build a fintech application to help send foreign currencies To and From Nigeria at a cheaper rate.
- Built a blockchain and cryptocurrency in Node.js.
- Built cross platform applications in Flutter and using other frameworks like Cordova and Ionic.
- Built and documented applications in ReactJS/TypeScript and Storybook.js.
- Built a web browser in ElectronJS.
- Simultaneously managed several databases and reporting tools.
- Developed websites that have a consistent feel and look throughout the entire web properties.
- Providing technical support to end users.
- Identifying and correcting software deficiency.
- Wrote smart contracts on ERC20 and BEP20 network for clients
- Built decentralized applications to connect to smart contracts using ReactJS and Node.js
- Built chrome applications and extensions for freelance clients.

- Managed and maintained existing ecommerce stores in WordPress.

Web & WordPress Developer
Gadgets101 NG | Abuja, UK, February 2018 – August 2022
- Built stable and maintainable codebases in React.
- Built stable and maintainable codebases in HTML5/CSS, PHP and MySQL.
- Supported the implementation of web sites by developing HTML/CSS/JavaScript prototypes and templates for CMS from Photoshop/Figma mock-ups and other design and planning products as appropriate.
- Worked on existing websites to improve Search Engine Optimisation process.
- Created website layout/user interface using standard HTML/CSS practices.
- Helped end users solve operating problems on existing web platforms
- Troubleshooted and resolved application issues, providing diagnostic, and analytical support.
- Participated in discussions with clients to clarify what they want.
- Designed prototypes for apps and websites using Webflow & Figma.
- Simultaneously managed several databases and reporting tools.
- Built and manage e-commerce applications in WordPress.
- Built admin dashboards in CodeIgniter.
- Improved ability to work in a fast-paced start-up environment with limited supervision.

PROJECTS:
Web Browser & Search Engine:
- Built a web browser using ElectronJS.
- The interfaces and options on the web browser was designed in All Custom HTML5/CSS.
- The Application features an Adblocker extension to block popup ads and unrequired page redirects.
- The browser features custom extensions and fully customisation user interface, from theme to accent colours.
- The browser allows users to install their own extensions.
- It also features private browsing and multiple browser windows.
- It also features a custom search engine built in PHP but allows full customization to change the default search engine.
- The browser also rewards users for their searches in form of a token I built and deployed to the bep20 network.
- I also added a web extension and plugin I built to allow users manage their smart tokens and rewards in one place.

Blockchain Server & Cryptocurrency:
- Built a fully functional blockchain server in Node.js using several npm modules
- The application comes compact with a miner script and features peer to peer connections and a global ledger and transaction pool.
- The application also features a wallet application built in Dart/Flutter to keep track of your transactions and balance as well as trade it for other approved tokens.
- The wallets, private keys are all created with npm's crypto and Node-RSA modules.
- Transaction ledger is shared across all connected peers.
- The application was initially developed to become a pay-out system or digital currency for a company to pay its staffs or currency to be used within the work place.

Blockchain-Based Online Voting System:
- For my final year project in my undergraduate degree, I built an online voting system backed by the blockchain to increase transparency and voter security in existing online voting platforms.

- The system features a custom blockchain network with volunteer miners and nodes that contribute to the network to make the process of mining and validating transactions faster and better optimised.
- The user interface of the application was built in ReactJS and critical aspects of the voting process like, ballot information and votes and stored on the public ledger of the blockchain.

Password Manager (Chrome Extension):
- Built a fully functional password manager for my final year project using ReactJS
- The application was built in TypeScript and JavaScript.
- The application features an autofill function to help autofill your saved passwords.
- The application also listens for form submissions and with the user's permission adds the passwords to the password vault.
- All password information is encrypted using a crypto-js module from npm before being stored on firebase.
- The application also checks for compromised passwords and notifies the user for a need to change the saved password.

More Projects on: Github

KEY SKILLS
- Experience in developing and testing web applications supported across all standard browsers.
- Proficiency with coding JavaScript frameworks, jQuery, JSON, ReactJS and jQuery.
- Familiarity and ability to work with design tools like Webflow, Figma
- Familiar with Agile development methodologies, SCRUM.
- Exceptional knowledge of IDEs, application servers, Apache, Linux, relational databases, Nginx servers.
- Ability to covert high-level requirements into outstanding user experiences.
- Outstanding ability to dictate simple to complex web experiences eloquently.
- Remarkable ability to rapidly prototype functional requirements.
- Immense ability to work in a fast-paced start-up environment with limited supervision.
- Extreme ability to communicate in an open environment.
- Ability to quickly learn new application systems and technologies.
- Amazing ability to accurately estimate design and development timelines for application components.
- Ability to communicate clearly and concisely, both orally and in writing.

Favourite Quotes
"Question everything, learn something".
"Add more value to more people".

Programming Languages:
JavaScript / Typescript (ReactJS/Redux, VueJS, jQuery, NodeJS), Product Design (Webflow, Figma, Bootstrap Studio), SQL (MySQL, PostgreSQL, SQLite, NoSQL), Object Oriented Database (MongoDB), Web3.js / Ethers.js & Solidity, PHP (WordPress, CodeIgniter), OOP (Java, C#, Dart), Python (Flask), HTML5/CSS, Git

References – Available on Request.