Wisdom Nyebet Okon

SOFTWARE DEVELOPER | WRITER | ARTIST
Github | wisdomokon89@gmail.com | +44 (0)7442 365620

Education:
- B.S. Software Engineering, University of Bedfordshire 2022 – 2023
- AdvDip Software Engineering, Aptech Computer Education 2019 – 2021

Skills:
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

Work Experience

Front-End Engineer Intern, Aug 2018 – Feb 2019 (6m)

- I wrote clean, maintainable, and efficient code.
- Stayed up-to-date with the latest front-end technologies and industry trends.
- Worked with designers to ensure seamless user experience.
- Collaborated with other developers to achieve team objectives.
- Learned about ReactJS and built and tested components on the platform.
- Implemented mobile first approach to existing websites.
- Improved my responsive web design skills in HTML5/CSS.

Web & WordPress Developer, Mar 2019 – Dec 2019 (10m)

- 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.

Jnr Software Developer, Feb 2020 – Aug 2022 (2yr 6m)

- 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.

Software Developer, Oct 2022 – Dec 2022 (3m)

- 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.

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.

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.

Ethers.js Wallet Application:
- Built a BEP20 & ERC20 wallet extension in ReactJS.
- The initial purpose of this project was to allow users of my already developed web browser manage their rewards and other cryptocurrencies all in one place.
- Users could import their tokens on a selected network and manage their balances and also send tokens to any valid wallet address regardless of the platform.
- Although the application was built to work with the web browser I built, it could easily be integrated to any modern web browser with little to no permissions.

Fully Functional E-commerce Store:
- Built an ecommerce store for mobile phones and other gadgets in ReactJS and PHP.
- The Front-End was built in ReactJS/Redux and JavaScript.
- It features a clean, responsive and smooth user interface.
- It also features a clean cart and checkout system.
- The Front-end connects to an API built in PHP kept secure by an API key and only accepts requests from a specific domain name.
- The application also features an admin panel built in PHP CodeIgniter to manage the store, upload products and manage products.

Online News Platform (Python/Flask):
- Built an online news platform in Python (Flask).
- The application connects to news API and filters the result based on their location and rewards users points for reading and these points can later be redeemed as cash and users can withdraw them through PayPal or Payooner.
- The application features a PostgreSQL database and a user interface built in custom CSS and Bootstrap.

Online Blog (JavaEE / JSP):
- Built an online blog using Java Server Pages and Servlets after completing my bootcamp on JavaEE and also to compare building dynamic pages using a strictly object-oriented programming language.

More Projects on: Github

Professional Qualifications

- Experience in developing and testing web applications supported across all standard browsers.
- Familiar 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.

More About Me

With an advanced diploma in software, currently rounding up my Bachelor of Science in Software Engineering and a determination to be one of the best in the field, I am interested in securing a permanent position where I can utilize my experience, skills and knowledge to their fullest potential. I have the ability to adhere to all local standards and guidelines associated with any role and to comply with the best practices of the industry. I have outstanding problem skills with the ability to work with technical and abstract concepts efficiently.

The most impactful thing I've worked on is...
A fintech application to help people in Nigeria countries send money to their loved ones in other countries at a cheaper rate as a means to tackle the problems of sending money to foreign countries from Nigeria.

Right now I'm learning...
C# to continue my journey as a software engineer and build faster and better applications.

The coolest side project I've built is...
A QR-Code copy and paste system for machines without a universal clipboard.

Outside of work I...
Spend a lot of time going to the gym and working out, reading web articles and listening to music.

References – Available on Request.