**FULLSTACK WEB AND SMART CONTRACT DEVELOPER**

**Polycarp Momoh**

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**SUMMARY:**

With over 3 years of experience in web application development, I am seeking a challenging role to leverage my skills in creating innovative and efficient web-based solutions.

**TECHNICAL SKILLS:**

* Programming Languages: JavaScript, HTML5, CSS3, TypeScript
* Front-End: React and Next JS
* Backend: Node Js, Rest APIs, GraphQL, Prisma, MongoDB, MySQL
* Smart contracts: Solidity, Clarity (Stack Smart Contracts)
* Git, GitHub
* Problem Solving and Debugging.

**PROFESSIONAL EXPERIENCES:**

**TSL Nigeria Benin, Nigeria**

**Fullstack web Developer** **2021 – 2022**

* Lead development effort for multiple front and backend application development.
* Worked on multiple projects with the design team to implement responsive and visually appealing web designs.
* Maintained a RESTful APIs using Node.js to enhance seamless communication between front and backend.
* Conduct routine code reviews, debugging and mentorship to junior developers working on same projects.
* Lead a team of developers to build a MERN web application backend server with Node JS and Firebase cloud functions.
* Lead a team of developers in developing applications for smart contracts using Clarity and NodeJS.
* Perform front-end tasks while working closely with the design team to translate mockup and wireframes into real-time interactive web pages.
* Help in developing responsive websites that provide seamless user experience across devices.

**NOTABLE FREELANCE EXPERIENCES:**

**Euzzit Nigeria** <https://www.euzzit.com> **Benin, Nigeria**

**Front-End Developer (Ionic framework) 2021**

* Developed and executed front-end development strategies, resulting in a huge increase in mobile app performance.
* Developed and maintained front-end mobile applications, resulting in a 50% reduction in app load speed

**STR music NFT marketplace** <https://www.songstoradio.com> **freelance**

**Full-stack web3 Developer 2022**

* Worked on the project with the design team to implement responsive and visually appealing web designs.
* Developed and maintained the Node js backend
* Developed NFT and Marketplace smart contracts with the clarity smart contract language of the Stacks blockchain.

**Panda Sale** <https://www.pandasale.com> **freelance**

**Full-stack web3 Developer 2022**

* I was consulted to develop and execute a development strategy with a proof of concept for an NFT presale launchpad.
* Developed NFT and Presale launchpad smart contracts and web app with the solidity smart contract language and React.js.

**Stacks Grant foundation** <https://stacks.org/grants> **freelance**

**Full-stack Software Engineer 2022**

* I applied and was awarded $54,000 for the development of a Desktop application as a GUI for Clarinet CLI - the test and development framework for the Clarity smart contract language of the Stacks blockchain.
* I lead the development and design for the desktop application.
* I implemented several string algorithms to convert custom CLI outputs to usable javascript objects that were used by the Electron frontend application to mediate the user and the Clarinet core.
* I implemented a second version using the Tauri framework as I researched and found that it was a more scalable framework and produced a lightweight application unlike the electron version.

**NOTABLE PERSONAL PROJECTS:**

**Movie mate**

**Full-stack web Development**  **2020**

* Designed and developed a web app that takes a video link and creates a virtual cinema room that is synchronized within all participants with websockets
* Developed the frontend with React js and the backend with node js
* Participants can interact with each other via video chat using the webRTC browser API and websockets
* Video element events were synchronized using websockets (Socket.io)
* I implemented algorithms to help sync the stream to a near live manner on every peer’s client.

**Tigly** <https://tigly1.glitch.me/>

**Full-stack web Development**  **2021**

* Designed and developed a web app that takes a link and returns a shortened url reference to that url link
* Developed the frontend with React js and the backend with node js
* Frontend Github repo: <https://github.com/yourmercury/Link-Shortener-Frontend.git>
* Backend Github repo: <https://github.com/yourmercury/Link-Shortener.git>

**Radio Vault** <https://www.radiovaults.com>

**Full-stack web Development**  **2023**

* Funded by the Filecoin Network and Mr Jacob Ryan, I developed a web application that helps musicians in the NFT scene to create music NFTs and deploy them to various blochains.
* The application would track these NFT metadata and media and help permit and reject metadata requests and account for media streams and shares and then create analytics for users to be able to peer into their performance.
* Developed the project with Next.js.
* Implemented the NFT contracts with Solidity and Clarity.

**EDUCATION**

*University of Benin, Benin city Nigeria*

*Chemical Engineering*

**Bachelor’s Degree in Engineering** **2014 - 2020**