# Chukwuemeka, Samuel Chinaza

**Software Engineer | Frontend**

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## SUMMARY

With 3 years of experience in software engineering, I am passionate about building effective and user-centric web solutions. I honed my skills through the comprehensive ALX software engineering program, where I tackled both team and solo projects that challenged my technical and problem-solving abilities. I am an adaptable professional who thrives in collaborative environments and enjoys solving complex challenges to improve user interfaces and maximize efficiency.

## PROJECTS

1. **Staking Smart Contract and Website**

**Personal project**

Date: 02/2025          Location: Enugu, Nigeria

Link: [https://x.com/Sam_Chinaza/status/1893216233652105423](https://x.com/Sam_Chinaza/status/1893216233652105423)

Wrote a staking platform smart contract on avalanche chain

- **Staking functionality**: Users can stake AVAX tokens for **3, 6, or 12 months** with a fixed **12% APR**. Simple form with inputs for **amount** and **staking duration**. Real-time feedback with a loading state ("Staking..." button) during the staking process. Error handling for failed transactions. Early withdrawal option with penalties.
- **Stake Dashboard**: Displays a **list of active stakes** with details. Responsive card layout.
- **Clean and Modern UI:** Tailwind CSS for styling: Responsive design ensures usability on all devices. Intuitive form layout with clear labels and placeholders.
- **Smart Contract Integration:** Connected to a deployed **Avalanche staking smart contract**. Fetches **user-specific stakes** using getUserStakes(). Executes staking transactions via the stakeTokens() function.
- **Potential Upgrades (Future Features):** Real-time staking rewards calculator. Progress bar for staking duration. Wallet connection status and account details display. Multi-language support for wider accessibility

## 2. Crowdfunding Smart Contract

**Personal project**

Date: 02/2025          Location: Enugu, Nigeria

https://github.com/Smlchinaza/Crowdfunding

Wrote a Crowdfunding Smart Contract.

- **Campaign Creation**: Users can create campaigns with a funding goal and deadline.
- **Secure Contributions**: Anyone can contribute to active campaigns. All contributions are tracked and transparent.
- **Automatic Refunds**: If a campaign doesn't meet its funding goal by the deadline, contributors can claim refunds.
- **Fund Withdrawal:** If the funding goal is met, only the campaign creator can withdraw the raised funds after the deadline.
- **Security Measures:** Prevents double withdrawals by using a withdrawn flag. Resets contribution balances before transfers to avoid reentrancy attacks.

## 3. Event Planning Smart Contract

**Personal project**

Date: 2025          Location: Enugu, Nigeria

https://x.com/Sam_Chinaza/status/1890643778760818871

Wrote a smart contract that can be used to create ticket.

- Ticket creation and Ownership feature.
- Ticket transfer feature.
- Tickets ownership can be transferred.

## 4. Fin Tech Website Prototype

**Personal project.**

Date: 2023          Location: Enugu, Nigeria

https://extraordinary-khapse-8a1efb.netlify.app/#

Led e-commerce website development and maintenance

- **Designed and developed a responsive fintech website** using HTML, Sass, and JavaScript, focusing on a modern and user-friendly interface that highlights key financial products and services.
- **Integrated interactive features** such as charts, and real-time data displays to provide users with an engaging and informative experience, leveraging JavaScript for smooth interactivity.
- **Applied best practices in performance optimization** to ensure the website met industry standards fast loading times, enhancing user retention.

### 5. Quiz App

**Personal project**

Date: 07/2024          Location: Enugu Nigeria

https://sparkly-crisp-5e312e.netlify.app/

Designed a quiz app that can generate random questions.

- **Developed an interactive quiz web app** using HTML, CSS, and JavaScript, featuring a dynamic user interface that provides real-time feedback and a seamless user experience.
- **Implemented logic for question randomization and score tracking**, enhancing user engagement and ensuring accurate assessment through well-structured JavaScript functions.
- **Designed a responsive layout** that adapts effectively to various screen sizes and devices, ensuring accessibility and usability for all users while maintaining consistent performance across browsers.

### 6. Spectra Real Estate Website Prototype

**Personal project**

Date: 2023          Location: Enugu, Nigeria

https://gorgeous-strudel-e1e81f.netlify.app/

- **Developed a comprehensive real estate website prototype** using HTML, CSS, and JavaScript, featuring an intuitive user interface that highlights property listings, search functionality, and detailed property information.
- **Integrated interactive map and filtering tools** that allowed users to view properties by location and apply filters (e.g., price, size, type), enhancing user experience and improving navigation efficiency.
- **Implemented a responsive design approach** to ensure seamless viewing across various devices, optimizing the site for both desktop and mobile users with smooth load times and cross-browser compatibility.

7. **Fresh Burger and Coffee website**

**Personal project**

Date: 2022          Location: Enugu, Nigeria

https://melodious-mermaid-121fd5.netlify.app/

Worked on the development and design processes

- **Developed a responsive and interactive website** using HTML, CSS, and JavaScript to showcase a modern design concept for a burger and coffee shop, optimizing for user engagement and visual appeal.
- **Implemented dynamic UI elements and animations** to enhance user experience, including intuitive navigation, interactive menus, and visually appealing hover effects that improved site interactivity.
- **Ensured cross-browser compatibility and responsive design** to provide seamless viewing across different devices and browsers, applying best practices in mobile-first design and performance optimization.


**Strengths**

- Strong problem-solving & analytical thinking

- Effective communication & collaboration

- Adaptability & eagerness to learn new technologies

- Attention to detail & project management

**Education**

Bachelor in Biological Sciences

**University of Nigeria, Nsukka.**

2015 - 2022


**Skills**

| | | | | |
|---|---|---|---|---|
| Teamwork | GIT | JavaScript | CSS | HTML |
| Debugging | Adaptability | Communication | React | Solidity |
| Tailwind CSS | | | | |

**Certification**

**Certified Software Engineer**

An advanced course from ALX on designing software by using programming languages.

**Mastering JavaScript**

An intensive coding certification from Freecodecamp, focusing on advanced JavaScript concepts.