

Elizabeth Osunsanwo

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Personal Profile

Full-stack Software Engineer and International Relations Scholar passionate about public sector digital transformation. Experienced in leading end-to-end development of civic and digital solutions that balance UX, business goals, and technical feasibility. I leverage technical expertise in the PERN stack to build innovative civic tech solutions that promote transparency and solve real-world community problems like housing advocacy and sustainability.

Projects

EcoScan+ | React Native, Expo, mapping, camera integration

- Engineered a smart city sustainability app to gamify civic engagement and encourage recycling participation.
- Implemented mobile-native features, including interactive mapping and camera integration for reporting environmental issues.

StreetLens | React, [Node.js](#), Express, PostgreSQL

- Built a civic advocacy platform to curb rent abuse, implementing logic that flags administrative action based on reporting thresholds
- Designed a secure admin dashboard to facilitate the investigation and escalation of housing reports to local authorities.
- Live: streetlens.elizabethosunsanwo.co.uk

Tresse Full-Stack E-commerce Platform – Full-Stack Project

- Developed a full-stack e-commerce application using React (frontend) and Node.js/Express (backend).
- Implemented user authentication, product browsing, cart management, and checkout workflow.
- Integrated PostgreSQL for database management and handled CRUD operations for products and users.
- Developed admin functionality to manage products, orders, and inventory.
- Ensured responsive and user-friendly design with React components and CSS modules.

Technical Skills

- **Programming & Frameworks:** JavaScript (React, [Node.js](#)), PHP, Python, HTML, CSS
- **Backend & Databases:** Express.js, PostgreSQL
- **Tools & Platforms:** Git/GitHub, VS Code, Postman
- **Other Competencies:** API integration, Agile methodologies, debugging, version control
- **Transferable Skills:** Problem-solving, time management, attention to detail, collaboration, client-focused solutions

LANGUAGES

English (fluent), Yoruba (fluent), and German (intermediate).

- **Live:** tresse.elizabethosunsanwo.co.uk
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Professional & Technical Experience

Freelance Software Developer & Tutor

London & Nigeria | Late 2023 – Present

- **Transitioned into full-stack software development after completing an MSc in International Relations (University of Bristol, Sept 2023).**
- **Built and deployed civic tech platforms, including StreetLens and EcoScan+, using React, Node.js, Express, and PostgreSQL.**
- **Developed Tresse, a full-stack e-commerce app with user authentication, cart management, and admin functionality.**
- **Applied structured retraining via ITCareerSwitch and Codecademy to real-world, independently led software projects.**

Digital Content Designer & Engagement Support

Reinier Global | Remote | 2023 – 2024

- **Designed digital assets and flyers to support the organisation's outreach goals and brand consistency.**
- **Managed social media scheduling and content updates, aligning delivery with user needs and feedback.**
- **Built foundational skills in UI/UX design, visual hierarchy, and audience-focused digital communication.**

Customer Service Roles (Various Companies)

Nigeria & UK | 2017 – 2023

- **Delivered client support across digital systems in service-focused environments.**
 - **Built transferable skills in communication, attention to detail, problem-solving, and digital recordkeeping.**
 - **Laid groundwork for transition into tech through adaptability and process-driven work.**
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Education

MSc International Relations – University of Bristol, UK | 2022 – 2023

- **Hackathon General Manager, Team Leader for Group 7 Transform Society Project**
- **Participated in City Challenge, demonstrating leadership and project management**

B.A. German (Second Class Upper) – Obafemi Awolowo University, Nigeria | 2014 – 2018

- **Student Representative Council Member**
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Certifications

- **Full-Stack Web Development Training – IT Career Switch / Codecademy**
 - **Goethe Institut B1 Certificate in German | 2015**
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