OTONBARA ALFRED OKOLAI

CIVIL ENGINEER || FRONT-END DEVELOPER

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LINKEDIN || GITHUB || PORTFOLIO WEBSITE

Motivated professional with a foundation in civil and environmental engineering, and skills in cloud computing and front-end development using my expertise to deliver sustainable engineering solutions and innovative web applications.

EDUCATION

Bells University of Technology: College of Engineering

B.Eng Civil and Environmental Engineering - (02/2021 – 02/2025)

Relevant Courses: Design of Concrete & Steel Structures, Structural Analysis, Geotechnical Engineering, Highway Engineering, Fluid Mechanics, Engineering Hydrology.

Charles Dale Memorial International School

West African Secondary School Certificate Examination (WASSCE) - (09/2011 – 07/2017)

Ala international Montessori Infant, Junior & High School

First School Leaving Certificate (FSLC) – (09/2005 – 07/2011)

EXPERIENCE

Greenstand, Anchorage, United States (10/2024 – 12/2024)

FRONT-END DEVELOPER (VOLUNTEERING)

Volunteering as a front-end developer helping to build new apps or refactor codes for their web app.

Eretek Engineering Nigeria Ltd. (EENL), Yenagoa, Nigeria (07/2023 – 12/2023)

CIVIL ENGINEERING INTERN

Internship as an undergraduate civil engineer in a construction company constructing a 1.9km road network and 4km stormwater drainage network for Niger Delta Power Holding Company (NDPHC).

Koe Procurement and Services Ltd. (KPSL), Yenagoa, Nigeria (08/2022 – 06/2023)

CIVIL ENGINEERING INTERN

Internship as an undergraduate civil engineer in a firm tasked with building 40 flats of 5 bedroom duplex for the state government.

SKILLS

Soft Skills

- Verbal & Written communication
- Teamwork

- Problem solving
- Leadership
- Attention to details

Technical Skills

- Programming Language(s): HTML, CSS, JavaScript, TypeScript, Python
- Frameworks: React.js, Next.js, Bootstrap CSS, Tailwind CSS, Django
- Version Control: Git, GitHub
- Cloud Computing: AWS, Firebase
- Engineering: Matlab, AutoCAD, SketchUp

CERTIFICATION & LICENSES

- AWS Certified Cloud Practitioner
- DigiTec Hub Front-End Development Certification

PROJECTS

Rugged Gentleman (E-Commerce Website)

- Built a reponsive e-commerce website using Next.js, TypeScript and Tailwind CSS.
- Implemented multi-product page, dynamic checkout and cart functionality, enhancing the user shopping experience.
  Live Demo | GitHub

Jack Suites Website

- Built a responsive hotel website using React.js, JavaScript and Tailwind CSS.
- Dedicated pages for rooms, services, and contact.
  Live Demo | GitHub

SkillMatch Website

- Built a responsive job matching platform with React.js, Tailwind CSS, Django, and Firebase
- Integrated Google sign with Firebase.
  Live Demo | GitHub

Crafted Comfort (E-Commerce Website)
- Designed a furniture website using HTML, CSS and JavaScript with a clean, intuitive layout for seamless product browsing.
- Implemented responsive features for optimal performance across devices.
  Live Demo | GitHub

Soteria Eye Clinc Website Redesign

- Collaborated with a team of front-end developers to redesign the clinic's website using HTML, CSS, and JavaScript.
- Delivered a clean, modern design with improved mobile responsiveness, enhancing user experience.
  Live Demo | GitHub