

BRENDAN OBILO

219 Etna Ave, Oshawa, ON L1H 3B9 • 905-924-5684 • brendanxure@outlook.com
<https://www.linkedin.com/in/brendan-obilo-xure>

PROFESSIONAL PROFILE

Entry-level software developer skilled in Python, JavaScript, C#, and Java. Committed to creating user-centred websites and applications, eager to learn and collaborate with senior developers to deliver sustainable, maintainable solutions.

SKILLS

- Programming Languages: JavaScript (3 years), Python (2 years), C# and Java (1 year each), COBOL (less than a year)
- Web Development: React.js, Node.js, Express.js, Next.js, HTML5, CSS3, Bootstrap, Tailwind, Redux Toolkit, JWT Authentication, RESTful APIs, Responsive Design (3 years)
- Database Management: MongoDB (3 years), Microsoft SQL Server (1 year), PostgreSQL (1 year), Firebase (1 year)
- Software Testing: Selenium IDE, Selenium WebDriver, unit testing, test automation (1 year)
- Agile Methodologies: Scrum, CI/CD (1 year)
- Hardware & Configuration: Experience in desktop PC component replacement, BIOS configuration, and input/output and storage device setup according to industry standards
- Strong communication, problem-solving, organizational, management, and team collaboration skills

WORK EXPERIENCE

Peer Tutor

Jan 2025 - Present

Durham College, ON, Canada

- Provide academic support to students by clarifying course concepts and developing effective study strategies
- Foster a supportive learning environment by building trust and encouraging open discussions
- Assess individual learning needs and adapt tutoring methods to suit different learning styles
- Guide students in problem-solving techniques to enhance independent learning and critical thinking

Web developer

Apr 2023 - Jan 2024

Fliprecharge (remote/contract)

- Participated in the development of Fliprecharge, a telecommunication web app enabling bill payments, internet data, and airtime purchases for users, increasing accessibility to essential services
- Customized a React.js template for the frontend and built a responsive landing page from scratch using HTML5, CSS3, and Bootstrap, enhancing user experience
- Designed a MongoDB database with Mongoose, implementing schema relationships and optimizing data retrieval using efficient data structures and junction collections
- Integrated telecommunications REST APIs like Transit, Sonite, SME, and Glo for streamlined data bundle purchases

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- Integrated REST APIs to generate virtual bank accounts at user sign-up, enabling instant money transfers and real-time notifications for seamless account management
- Implemented real-time transaction notifications using the event-driven library socket.io, improving real-time user engagement

Web developer

Sept 2022 - Dec 2022

GMTSoftware, Abuja, FCT

- Contributed to the development of a web application for drug interaction checks, enabling users to input drugs and receive interaction results, improving drug safety awareness
- Developed the frontend using React.js, creating an interactive and responsive user interface for a better user experience
- Performed API and frontend testing using Postman and Selenium WebDriver to ensure reliability

EDUCATION

Computer Programming (CGPA-5.0/5.0)

Jan 2024 – Apr 2025

Durham College

Bachelor of Pharmacy

Nov 2014 - Oct 2019

University of Nigeria Nsukka

PROJECTS

DRT Tracker

Next.js | Leaflet.js | GTFS-RT | Tailwind CSS

- Developed a real-time bus tracking web application using Next.js.
- Integrated GTFS-RT feeds to display live bus locations, active trips, and upcoming bus stops.
- Implemented Leaflet.js for interactive maps, allowing users to track buses and their own locations.
- Optimized performance with data caching, API polling, and clustering techniques for smooth map rendering.

LakeRidge Community Hospital Database System

Microsoft SQL Server

- Developed a hospital management database system with patient visit management, room allocation, prescription tracking, billing, and physician management.
- Designed a 3NF relational schema, ERD, and data dictionary to ensure data integrity.
- Created SQL Server scripts for database structure and constraints.