

# IBUKUN ALEX ALAO

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## SUMMARY

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An experienced, dedicated and detail-oriented Developer equipped with a strong background and 4 years of experience in both backend and frontend development. Proficient in utilizing Node.js, Javascript/Typescript/CSS, React, Rest/Json, and JSON web token(JWT) to deliver high-quality code and new features. Adept at contributing to agile team rituals, collaborating with diverse engineering levels, and consistently delivering excellence in project endeavors. Eager to join a team where continuous learning, innovation, and quality-driven work culture thrive.

## EDUCATION

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### CONCORDIA UNIVERSITY EDMONTON, AB | M.Sc. Information Technology 2022 — 2024

- Subjects and module covering major aspects of computer science including: Programing, IT Resource Management, Database, and Networking

### AJAYI CROWTHER UNIVERSITY,OYO, NIGERIA | B.Sc. Computer Science 2015 — 2019

- Subjects and module covering major aspects of computer science including: Programing, IT Resource Management, Database, and Networking
- **Project: Development of an online clearance system;**

## EXPERIENCE

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### Developer , Alberta Health Services (AHS) Sept 2023 — Jan 2024

- Actively participated in the development and support of emerging web applications, focusing on integration and standalone functionalities.
- Developed and maintained projects using React, Azure DevOps, and SharePoint sites.
- Developed new user-facing features using React.js, successfully converting legacy interfaces and enhancing overall user experience.
- Assisted in the development and maintenance of CI/CD pipelines, learning and contributing to tooling development.
- Utilize Figma documentation as a reference and guide for application development.
- Wrote high-quality code, with a focus on TypeScript, contributing to the successful delivery of multiple projects.
- Participated in initial stages of machine learning model development.
- Utilized PowerApps and Power Automate to design and integrate customer applications within SharePoint sites.
- Contributed to coding, software development, and recommended process changes.
- Conducted occasional research on tech advancements like Machine learning models to aid ongoing projects .

### Software Developer, Kode-Camp Sept 2022 — April 2023

- Developed an e-commerce platform for tech gadgets, utilizing Node.js, Express, MongoDB for backend for dynamic frontend components.
- Engineered performant systems on Node.js and developed robust front-end features using React.js.
- Wrote high-quality code, with a focus on TypeScript, contributing to the successful delivery of multiple projects. Utilized both relational and non-relational databases for efficient data management.
- Collaborated with frontend and UI/UX teams to create a seamless, user-friendly website interface.
- Utilized Agile and Scrum methodologies for efficient project management, leading to timely deliveries and improved outcomes.
- Conducted peer code reviews, offering valuable feedback and ensuring code quality and adherence to best practices.
- Optimized applications for maximum speed, scalability, and efficiency.
- Wrote and maintained database schemas, queries, and procedures, enhancing overall system performance.

- Designed, implemented, and maintained secure cloud systems and infrastructure to safeguard the code base.

### **Software Developer, Deep Blue Energy Services**

**October 2020 — August 2022**

- Developed and maintained web applications using React, HTML5, CSS3, and JavaScript/Typescript, focusing on delivering excellent user experiences.
- Actively participated in the development and support of internal web applications, focusing on integration and standalone functionalities for the organization.
- Designed, coded, tested, documented, and released new features using a combination of tools and languages such as Node.js, Javascript/Typescript/CSS, React, Rest/Json, ensuring high-quality code delivery.
- Implemented responsive designs, ensuring optimal usability across various devices and screen sizes.
- Actively participated in product prioritization discussions, collaborating with Product and cross-functional teams.
- Conducted peer code reviews, offering valuable feedback and ensuring code quality and adherence to best practices.

### **Junior FullStack Developer, Tatler Services**

**February 2020 — October 2020**

- Develop and implement high-quality software solutions using NodeJS and React, ensuring adherence to best practices and industry standards.
- Collaborate within a team environment, gaining feedback and product knowledge from various parts of the organization.
- Design, build, and optimize scalable and robust React applications, with a focus on enhancing user experience.
- Maintain and expand the capabilities of APIs, ensuring reliability, security, and efficiency.
- Provide valuable feedback and innovative ideas for current and future product offerings, contributing to overall development process improvement.
- Utilize Figma documentation as a reference and guide for application development.
- Thoroughly document new features, including technical specifications, usage guidelines, and potential implications for future development. Build new features and expand on current application functionalities.

### **IT Support, TOTAL ENERGIES**

**March 2018 — August 2018**

- Ensured co-workers had steady Internet/Ethernet access.
- Assisted with configuration of network devices such as routers and switches.
- Providing technical support to company employees
- Ensured safety of company information on the database and other internet security actions.
- Making of Ethernet cables (straight-through and cross-over)
- Tracing fault in CAT-5 cable connections.
- Setting up equipment for conference meetings and online interviews

## **CURRENT PROJECTS**

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### **Waste Management Detection using AI/ML**

- Developed an automated waste management system using YOLO v5, a robust object detection algorithm.
- Curated a diverse dataset, labeling waste materials and training the model to recognize and categorize them accurately.
- Implemented the YOLO v5 model for real-time detection in waste sorting facilities or collection areas.
- Trained the model with annotated image datasets from roboflow, enabling accurate identification and sorting of waste items such as plastic, paper, glass, and metal.

### **Code-Tech**

- Built an e-commerce website which markets and sells tech gadget from phone to headset et.c.
- Implemented the Backend using Node, express, and MongoDB.
- Worked with a frontend and UI/UX development team to achieve the site
- Use of Agile & scrum Methodology

### **YelpCamp**

- Built a fullstack website which let's user upload experiences in of campgrounds with pricing and rating
- Implemented the Backend using Node, express, MongoDB, Authentication token.
- Worked with a frontend tool to launch the site

### **NutritionTracker App**

- Built a fullstack mobile application using react native which tracks user activeness as well as log meals and nutrient values. An additional feature for AI chatbot (NutriBot) was added using the Open AI API. User interact with the bot to get lifelike suggestions and advices.
- Integrating openAI ML model in the application to develop a fitness chatbot
- Worked on the frontend using react native and Expo CLI to launch the App

### **Leo Charter Services Site**

- Building a charter service web app which helps customers book ride services providing top front-end user experience. Develop automation system where users submits bookings and then it's sent to various drivers to get the best price or bid
- Implementing the Backend using Node, express, MongoDB, Authentication token.
- Working with a frontend and UI/UX development team to achieve the site

## **SKILLS**

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### **Technical skills**

- Languages: JavaScript (ES6+), HTML, CSS, Python, MongoDB, SQL
- Frameworks/Libraries: React.js, Express Js
- Tools: Node.js, npm, RESTful APIs, Git repositories, TypeScript

### **Soft skills:**

- Creativity,
- Excellent Team player,
- Great Verbal and written communication,
- Excellent Critical thinking, Outstanding problem solving, Exceptional Work ethic,
- Very good time management Interpersonal and phone skills.

### **Tools:**

VS code, Python Idle, MS Office(Word, Teams, Excel, PowerPoint, Sharepoint), Shell, ServiceNow, Expo CLI, Github, Azure DevOps

## **REFERENCES**

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### **John To | IT Analyst**

- Alberta Health Services
- John.To@albertahealthservices.ca