

Virain Bawa

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in virainbawa

SKILLS

Languages

JavaScript, Java, SQL, TypeScript, HTML/CSS, C++

Tools

Git, Node.js, Firebase, Convex, Figma, MongoDB, AWS (EC2, S3), NGINX, Arduino, Linux, Docker, Expo, Cloudinary, Microsoft Office Suite, VS Code

Frame Works

React, Tailwind CSS, Express.js, Next.js, ReactNative

Professional

- Excellent communication skills when working on collaborative tasks
- Strong leadership qualities in projects while being open to criticism
- Good analytic and research skills for solving problems in a creative method and collecting relevant information
- Efficient in time management for handling multiple tasks

EDUCATION

University Of Western Ontario

Anticipated Graduation 2026

Bachelor Of Engineering Science with a specialization in Software Engineering

Relevant Courses: Data Structures and Algorithms, Database Management, Web Technologies, Computer Network Applications, Software Project and Process Management, Software Requirements and Analysis

EXPERIENCE

Symptom Stream

May 2024 – Present

CIO & Developer

Working with a team of four at a startup to design AI-driven software for streamlining hospital triage by improving decision-making and operational efficiency in healthcare settings. Engaged stakeholders to refine requirements and finalize the design. Nearing the prototype phase to improve decision-making and efficiency in healthcare.

KeyStone

December 2024 – Present

Full Stack Developer

Developed a web application for managing over 1,000 products and enabling online sales using React, Vite, Tailwind CSS, Express, Cloudinary, Convex and Firebase-Admin. Designed the architecture, built the frontend and backend, and managed authentication and database integration, delivering a near-complete solution to improve product management and sales efficiency.

HTS Engineering

May 2024 – August 2024

Engineering Sales CO-OP

Led sales efforts and collaborated with clients to finalize product selections tailored to their needs, ensuring optimal solutions and customer satisfaction.

CAROBOT Learning and Research Organization

May 2022 – August 2022

Engineer Trainee

Designed and developed the hardware and software aspects of multiple projects in a team of seven leading to product variety and revenue gain for the company. Worked with Arduinos, ESP32, packet designing to produce a Pokémon themed exhibition game, educational kit for youths and Wi-Fi operated cloud lamps.

PROJECTS

My Spots

Developed a server-client application using React, Node, and Firebase to store and manage public and private lists for multiple users. Designed features for secure data storage, real-time updates, and seamless user collaboration. The application was hosted on an AWS EC2 instance and used NGINX for efficient reverse proxying and load balancing

NBA Scouts

Built an NBA scouting management app using React, Tailwind CSS, and an SQL database with complex queries to track and analyze player data. Designed a responsive interface and optimized database performance to streamline scouting operations and scouting analytics to support data-driven decisions.

Data Care LLC Application

Working in a team of five to develop an app, a healthcare data collection mobile application designed to streamline patient registration and data gathering at healthcare camps. Built with ReactNative, Expo, and a scalable Kubernetes environment using KNative workflows and a Yugabyte database, it features AI-driven facial recognition, speech recognition, and eye testing. The app includes a real-time analytics dashboard and ensures efficient, accurate data management for Data Care LLC.