

Savan Malhotra

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Skills

Languages Java, Swift, Kotlin, SQL, JavaScript, Python, HTML/CSS
Technologies React, MongoDB, Node.js, Express.js, Flask, Arduino, Firebase, Jenkins, Git

Education

University of Waterloo

CANDIDATE FOR BACHELOR'S OF MATHEMATICS IN COMBINATORICS AND OPTIMIZATION

Waterloo, ON

Sep. 2020 - Apr. 2025

- Notable Courses: Ethics and Ai, Functional Programming

Experience

RBC U.S. Wealth Management, Software Engineering Intern | Toronto, ON

Sep. 2021 - Dec. 2021

- Developed features and fixed bugs on **Android** and **iOS**, serving our **120,000+** U.S. Wealth Management mobile users
- Natively developed **Android** and **iOS** proof of concepts that allow clients to view detailed investment information such as open orders, income summary, and gain/loss, presenting finding to the U.S. Wealth Management leadership team
- Rebuilt **Jenkins** pipelines to optimize build processes and reduce expenses by **\$15,000+** annually

Notify, Cofounder | Toronto, ON

Jun. 2017 - Aug. 2021

- Queue management system for appointment-based businesses looking to improve customer experience and retention
- Published **iOS** and **Android** apps that allow users to search and book appointments at nearby businesses
- Developed a web app for businesses to see their queue, notify customers, add walk-in customers, and view analytics to enhance their customer management
- Used **Swift**, **Java/Kotlin** for the mobile apps, **React**, **Node** for the web app, and **Firebase** system wide [🔗]

SOLUM, Web Developer | Remote

May. 2020 - Aug. 2020

- Developed an interactive web dashboard to connect student volunteers to long term care residents through **VoIP**
- Built using **React**, **Node** and the **Zoom Web SDK**

Pickering High Robotics Team, Autonomous Lead | Pickering, ON

Sep. 2018 - May. 2020

- Lead team through the project life cycle to build multiple robots showcased at the Skills Ontario Robotics Competition
- Taught **20+** members Arduino hardware interface and software development fundamentals
- Implemented a **MQTT** network to interface a sample **TensorFlowLite iOS** app with a **Raspberry Pi**, leveraging intelligence collected from the phone to control the motor movement [🔗]

CYNEA, Lead Mobile Developer | Pickering, ON

Sep. 2019 - Dec. 2019

- System that recommends users healthy recipes based on the Canada Food Guide
- Team lead that shipped CYNEA's **iOS** and **Android** applications using **Swift**, **Java/Kotlin**, and **Algolia** [🔗]

SM Consulting, Freelance Web Developer | Toronto, ON

Sep. 2015 - Jun. 2017

- Consulted and built dynamic websites for **5+** clients while providing input for operational improvements
- Gained experience with a variety of languages and technologies including **JavaScript**, **SendGrid** and **Twilio**

Projects

Impact React, Python, Flask, Axios, OpenAI API

May. 2021

- Web app designed to help students thrive in an online learning environment harnessing the use of AI
- Used the **OpenAI API** to summarize study notes inputted by users, and served specific subtopics for further study based upon the general topic inputted by the user [🔗]

ShelterTO React, Node, Algolia Search

Feb. 2021

- Web app that used the City of Toronto's **REST API** to assist users with finding a shelter that acclimates their needs [🔗]

Valeo HackAgainstCovid Top 15/115 | MERN, Azure Chat Bot

Aug. 2020

- **MERN** stack web app that provides small businesses tools to grow, and insightful digital expansion tips via a chat bot
- Focused on system architecture and **Azure chat bot** implementation [🔗]

Digital Newspaper Portal Javascript, PHP, MySQL, Apache, Firebase

Sept. 2018

- **CMS** built using a **LAMP** stack for school's digital newspaper to streamline the editorial and publishing stages of articles directly to the public website, internally used by **25+ members**
- Learned to use **Firebase** user authentication, and implement **CRUD** functions

INTERESTED IN WEB3, BACKEND DEVELOPMENT, MOBILE DEVELOPMENT, FINANCE, AND SPORTS