

Chamod Gamage

UWaterloo Systems Design Engineering | Experienced Full Stack Developer

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Languages: JavaScript, TypeScript, HTML, CSS, GraphQL, PostgreSQL, MongoDB, Python, Java, C++

Frameworks/Tools: React.js, React Native, Node.js, Flask, Git, Docker, Kubernetes, Azure, GCP, AWS, Firebase

WORK EXPERIENCE

Full Stack Developer | LCBOnext

May 2021 - Aug 2021

- Built the Grocery Claims web application using **React (TypeScript)**, **Node.js**, **TypeORM**, and **PostgreSQL**, enabling coordination of potential refunds and returns on over **\$300 million** worth of goods
- Managed developer team processes by creating Notion documentation, task board, and **Azure CI/CD pipelines**
- Revamped pricing data pipeline with Tesseract OCR, **ElasticSearch & SQL** databases, and microservices (**Flask**) deployed in a **Kubernetes** cluster, issuing live updates to in-store LCD tags with **400%** less latency

Product Manager | UW Blueprint

Apr 2021 - Present

- Led team building no-code interactive module builder for NPO  (10000+ users) using **Next.js** on MERN stack

Project Developer | UW Blueprint

Jan 2021 - Apr 2021

- Architected and built central donation hub (MERN, **GraphQL**) for The Pregnancy Centre to aid dozens of families

Software Engineering Intern | FutureFit AI

Aug 2020 - Dec 2020

- Enabled personalized coaching for thousands of youth by building career coaching platform end-to-end with **React (+Redux)**, **Node.js**, & **PostgreSQL** for an NPO, while also maintaining client communications
- Developed central hub of a career guidance platform with **10000+ users** globally in 2021 while meeting **WCAG** standards for numerous large clients such as RBC 

DevOps Developer (Part-time) | Honeybee Hub Inc

May 2020 - Aug 2020

- Increased **active users 1500%** (over 5000) by building key product features for digital marketplace startup
- Orchestrated secure **Kubernetes** network in-house to ensure HIPAA compliance, saving \$1000/month

Full Stack Developer Co-op | Honeybee Hub Inc

Jan 2020 - May 2020

- Acted on user feedback by conceiving, designing, and implementing a scheduled messaging feature for researchers using **MongoDB**, **Node.js**, and **React.js**, saving user hundreds of hours per year 
- Developed new landing page with React + CSS to improve **SEO** & retention, reducing bounce rate **80%** 

PROJECTS

The Pregnancy Centre Donation Hub | | [GitHub]

MERN, GraphQL, Apollo, Firebase

- Owned authentication and asset hosting, integrating Firebase into Node.js backend and React.js frontend
- Created frontend dashboards allowing staff to create and edit donation requests using React.js (TypeScript)
- Stored & served requests with MongoDB and GraphQL APIs (Apollo + Express)

Stocksimple | | [GitHub]

MongoDB, Node.js, Express.js, React.js

- Built **SPA + API** to track user stock portfolios using **MERN** stack, with **JWT** authentication and live market data

EDUCATION

B.A.Sc Candidate in Systems Design Engineering - **3.98 GPA (93%)**

University of Waterloo

Relevant Courses: Data Structures and Algorithms (96%), Digital Systems (100%)

2019-2024

Awards: UWaterloo Dean's List (x3), Rank #2 in Cohort (1A)

Interests: NFTs, NBA, Piano, Tech for Social Good