

# CHAMOD GAMAGE

Systems Design Engineering | Full Stack Developer

✉ chamod.gamage@uwaterloo.ca

🌐 <https://www.chamod.ga>

in /in/chamod-gamage

🔗 /chamod-gamage

## SKILLS

JavaScript, TypeScript, HTML, CSS, Python, Java, C++,  
React.js, Node.js, GraphQL, Flask, MongoDB, SQL,  
Git, Docker, Azure, GCP, AWS, Kubernetes, Firebase

## EXPERIENCE

Full Stack Developer

**LCBOnext** 🌐 📅 May 2021 – Aug 2021

- Built the Grocery Claims web application using **React (TS)**, **Node.js**, **TypeORM**, **PostgreSQL**, enabling coordination of potential refunds and returns on >\$300M 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**, a combined **ElasticSearch & SQL** product database, and a **Flask** server deployed on **Kubernetes**, enabling real-time price updates to in-store LCD tags with **400%** less latency

Project Developer → Product Manager

**UW Blueprint** 🌐 📅 Jan 2021 – Present

- Partnered with NPOs such as The Pregnancy Centre 🌐 or HeadsUpGuys 🌐 to build technical solutions (donation hub and no-code interactive module builder respectively)

Software Developer

**FutureFit AI** 🌐 📅 Aug 2020 – Jan 2021

- Developed career coaching platform end-to-end with **React (+Redux)**, **Node.js**, & **PostgreSQL** for CCYP (NPO), enabling personalized coaching for **thousands** of youth
- Refactored flagship product to meet **WCAG** standards
- Developed the central hub of a career guidance platform to be in the hands of **10000+** users globally in 2021 and was instrumental in attracting customers such as RBC 🌐

Full Stack Developer → DevOps Developer

**Honeybee Hub Inc.** 🌐 📅 Jan 2020 – Aug 2020

- Developed key features for a digital marketplace startup with **1500%** active user growth, now **5000+**
- Orchestrated secure **Kubernetes** networking in-house for HIPAA compliant data management, saving **\$1000/month**
- Redeveloped landing page using **React.js**, **HTML**, & **CSS** to improve SEO and retention, reducing bounce rate **80%** 🌐
- Acted on user feedback by conceiving, designing, and implementing a scheduled messaging feature for researchers using **MongoDB**, **Node.js**, and **React.js**, saving user time 🌐

## PROJECTS

**PC Donation Hub | MERN, GraphQL** 🌐 🔗

- Architected + built a **central donation hub** for The Pregnancy Centre as a developer on UW Blueprint 🌐 to aid women in need
- Owned authentication & asset hosting, using **Node.js (TS)** backend + **Firebase**
- Built frontend (**React**) dashboards allowing staff to create and edit donation requests
- Stored & served requests with **MongoDB** and **GraphQL APIs (Apollo + Express)**

**Stocksimple | React, Node, MongoDB** 🌐 🔗

- Developed SPA + API using **React**, **Node.js**, & **MongoDB** to track stock portfolio (deployed on Netlify and Heroku)
- Utilized **Tradier API** to stream market data
- Implemented custom **JWT** authentication

**Employee Management System | Java** 🔗

- Constructed **Java Swing** desktop app to manage employees using **OOP** principles for efficient data management
- Enabled **CRUD** operations and search functionality for thousands of employees stored in a **self-implemented hash table**

## ACHIEVEMENTS

- **University of Waterloo Dean's List (x3):** Ranked **#2** in Systems Design Engineering
- **2018 FRC World Championship** Semifinalist, **STEMley Cup** Champion
- **Top 5%** on Fermat Mathematics Contest
- **HooHacks 2020** Honourable Mention

## EDUCATION

BASc, Systems Design Engineering

**University of Waterloo - 3.98 GPA (93%)**

📅 2019 – 2024

**Relevant Courses:**

Data Structures & Algorithms - 96%,

Human Factors in Design (UX Design) - 92%

**Interests:** Rollercoasters, Puzzles, NBA, Piano