

Chamod Gamage

UWaterloo Systems Design Engineering | Experienced Full Stack Developer

[✉️ chamod.gamage@uwaterloo.ca](mailto:chamod.gamage@uwaterloo.ca)

[🔗 https://www.chamod.ga](https://www.chamod.ga)

[/chamod-gamage](#)

[/in/chamod-gamage](#)

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

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

WORK EXPERIENCE

Software Engineer • On Deck

May 2022 - Present

- Created an interactive startup demo day experience using **Next.js** and **Node.js**, enabling >\$100K in investments

Software Engineering Intern • On Deck

Jan 2022 - Apr 2022

- Built an investor **search platform** with **complex collation** using **Next.js**, **GraphQL**, **Prisma**, and **ElasticSearch**, enabling thousands of founders to raise pre-seed, seed, and Series A rounds
- Made a Node.js NFT collection builder API, enabling dynamic generation of 1000+ NFTs with minimal gas fees

Software Developer • CommandBar (YC S20)

Oct 2021 - Feb 2022

- Developed yet-to-release product voting platform with **Supabase**, **Twitter API**, **Next.js** & **GSAP** animations

Full Stack Developer • LCBOnext

May 2021 - Aug 2021

- Created live pricing data pipeline with PyTesseract OCR, **ElasticSearch** indexes, and **Flask** microservices deployed in a **Kubernetes** cluster, issuing real-time updates to in-store LCD tags with **400%** less latency
- Enabled returns on over **\$300 million** of inventory by developing a **Node.js + PostgreSQL** B2B API

Project Developer • UW Blueprint

Jan 2021 - Apr 2022

- Led team building no-code interactive module builder for HeadsUpGuys (NPO) using **Next.js** and **MongoDB**
- 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

- Owned development of career coaching platform built with **React (+Redux)**, **Node.js**, & **PostgreSQL** for an NPO
- Created career outskilling service for 10+ **Fortune 500** companies using **Python** machine learning libraries

Software Developer • Honeybee Health

Jan 2020 - Aug 2020

- Increased **DAU by 1500%** (over 5000) through building key product features for a digital marketplace startup
- Orchestrated secure Kubernetes network in-house to ensure HIPAA compliance, saving \$1000/month
- Saved researchers hundreds of hours yearly by architecting and implementing a scheduled messaging feature using **Next.js**, **TypeScript**, **Node.js**, and **MongoDB**
- Restructured MongoDB schema using aggregations to improve average query resolution time by **30%**

PROJECTS

UW Cribs | [🔗](#) | [GitHub]

MERN, GraphQL, TypeScript, Turborepo

- Used **Selenium** and **NLP** to continuously store and categorize thousands of housing posts from Facebook
- Built post filtering platform using Next.js, Node.js, and ElasticSearch to curate posts for **hundreds** of students

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

University of Waterloo | B.A.Sc Candidate in Systems Design Engineering - **3.99 GPA**

(2019 - 2024)

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

Awards: UW Dean's List (x4), First in Class Engineering Scholarship, STEMley Cup Champion, \$1K Social Impact Fund Grant