

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++, YAML

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

WORK EXPERIENCE

Software Engineering Intern • On Deck

Jan 2022 - Present

- Built an investor **search interface** with **complex collation** using **Next.js, GraphQL, Prisma**, and **ElasticSearch**, enabling thousands of founders to raise pre-seed, seed, and Series A rounds
- Implemented an **internal React UI library**, leveraging monorepo architecture to reduce code duplication by **70%**
- Made an NFT collection maker with Next.js, 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
- Built **React** issue dashboard for stakeholders in a **\$10 billion** company, improving resolution speed by **600%**
- Enabled returns on over **\$300 million** of inventory by developing a **Node.js + PostgreSQL** B2B API

Project Developer • UW Blueprint

Jan 2021 - Present

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

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
- Revamped career guidance platform with **10K+ users** to meet **WCAG** standards, attracting many large clients

Software Developer (Part-time) • Honeybee Hub Inc

May 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

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

- Created React dashboards and owned authentication and hosting, integrating Firebase into Node.js server

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 - **3.99 GPA (94%)**

University of Waterloo

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

2019-2024

Awards: UWaterloo Dean's List (**x4**), Rank #2 in Cohort

Interests: NFTs, NBA, F1, Tech for Social Good