

Chamod Gamage

UWaterloo Systems Design Engineering | 7x SWE Intern | 2024 New Grad

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Languages: JavaScript, TypeScript, Ruby, Python, Java, C++, GraphQL, SQL, MongoDB, HTML, CSS, YAML, Lua

Frameworks/Tools: Node.js, Flask, Rails, ElasticSearch, React.js, Redis, Docker, Kubernetes, MongoDB, AWS

WORK EXPERIENCE

Software Engineering Intern • AngelList Venture

May 2023 - Present

- Engineered financial audit export pipelines for **\$1B+** in venture funds with a custom **Excel formula DSL** in Ruby
- Enabled self-serve hurdle carry for funds, automating distributions to **save 40+ manual work hours** weekly

Software Engineering Intern • Modern Treasury (YC S18)

Sep 2022 - Dec 2022

- Designed and deployed **configurable event burst mitigation middleware**, eliminating 429 errors on webhooks
- Facilitated rate limiting via a **Redis** server-side **Lua** script with ACID transactions and optimized memory usage
- Built an asynchronous **PDF export pipeline** in **Rails**, formalizing payment information transfers for stakeholders

Software Engineering Intern • On Deck

Jan 2022 - Apr 2022

- Launched an investor **search platform** with **complex collation** built 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%**

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

- 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 Trials

Jan 2020 - Aug 2020

- Increased **DAU by 1500%** (over 5000) through building product features for a clinical trial marketplace startup
- Designed and built scheduled messaging and user segmentation features, saving researchers 10+ hours weekly
- Restructured **MongoDB** schema using aggregations to improve average query resolution time by **30%**

PROJECTS

UW Cribs | [🔗](#) | [GitHub]

MERN, GraphQL, TypeScript

- 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

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: First in Class Engineering Scholarship (x2), UWaterloo Dean's List (x4), STEMley Cup, \$1K Social Impact Fund Grant