

A S M Taseen

[github/asm-taseen](https://github.com/asm-taseen) | [email/ataseen@uwaterloo.ca](mailto:ataseen@uwaterloo.ca) | in/a-s-m-taseen | portfolio/taseenasm.com

EDUCATION

University of Waterloo

Sept 2020 - Apr 2025

Bachelor of Computer Science (Honours), 4x Term Dean's Honours List

Relevant coursework: Algorithms and Data Structure, Objected Oriented Programming, Databases, Operating Systems

SKILLS

Languages: JavaScript, TypeScript, Python, C++, SQL, Java

Technologies: React, Node, Express, PostgreSQL, Flask, Docker, AWS, Terraform, Redis, MySQL, MongoDB

EXPERIENCE

Relay

Toronto, ON

Software Engineer Intern - Risk

May 2023 – Aug 2023

- Deployed a dynamic funding engine on **AWS Lambda** that streamlined risk assessment of SMBs using preset rules, eliminating **1-3** business days of manual processing to allow automatic appointment of funding timeline per transaction
- Orchestrated an infrastructure using **AWS SQS** and **SNS** that enabled fraud alerts to trigger the engine in real-time
- Shipped transaction limits feature that restricted the funds released per transaction, reducing fraud loss rates by **35%**
- Revamped the 'update email' flow by securing it with email verification and by rate limiting the update attempts using **Redis**, effectively mitigating email frauds by **96%** and preventing API endpoint overload from profile update spamming

Super

San Francisco, CA

Software Engineer Intern - Monetization

Jan 2023 – Apr 2023

- Developed async **Python** packages to seamlessly integrate multiple external hotel rate providers, like **Expedia**, into SuperTravel, bringing in **140000+** more hotel rates per month and increasing monthly net revenue by **12%**
- Implemented a refundability top-up for non-refundable hotel bookings, driving average profit per booking up by **7%**
- Extended new API features within the payments **microservice** using **Flask**, **PostgreSQL**, **Redis**, and **Braintree** to efficiently process booking amendment fees, generating around **\$30000+** in revenue per month

TutorOcean

Ottawa, ON

Software Engineer Intern

May 2022 – Sept 2022

- Built an internal admin tool using **React**, **Node**, **Express**, and **MongoDB** that allowed one-click refunds, payments, and session booking amendments, facilitating customer support to seamlessly handle **2200+** requests per week
- Migrated website to **Next.ts**, achieving around **1.3s** page load time and a **42%** reduction in server response time
- Scripted event-based scheduler jobs utilizing optimized **MongoDB** queries, automating **4hrs+**/wk of manual labour
- Engineered an API using **Serverless** and **AWS Lambda** to automate tracking **9000+** mobile users on **HubSpot**

UW Entsoc

Waterloo, ON

VP of Tech

Jan 2023 – Aug 2023

- Led a team of 3 engineers to rebuild and redesign **Janus** which is a hub connecting UW student entrepreneurs
- Established a streamlined multi-environment deployment process and collaborated with Product on feature scoping

TutorOcean

Ottawa, ON

Software Engineer Intern

Sept 2021 – Dec 2021

- Implemented a fraud detection API middleware using **regex** and **MongoDB** queries pipelines to flag self-promotional messages on the tutor-student internal chat, reducing customer churn rate and saving **\$48000+** revenue/month
- Integrated **HubSpot CRM** to strategically track customer interactions and collect metrics data from **41,000+** users which contributed to enhanced **lifecycle marketing** strategies and a **28%** increase in customer conversion rate
- Collaborated with product managers and design team to develop the frontend for marketplace website in **React**
- Internationalized website to expand customer reach and make it accessible for **26000+** French speaking users at Bell

PROJECTS

Hexa - React, Redux, Sass, PostgreSQL, Node, Express, Docker

- Building an e-learning EdTech platform, conducting market research and reaching **1000+** waitlist signups till date
- Utilizing React, Redux, Webpack, and SCSS to build product with focus on scalability and optimized page load-time
- Developing **Dockerized Node.ts** and **PostgreSQL** backend, leveraging connection pooling for faster response time