A S M Taseen

github/asm-taseen — email/ataseen@uwaterloo.ca — in/a-s-m-taseen — portfolio/taseenasm.com

SKILLS

Languages: JavaScript, TypeScript, Python, C/C++, SQL
Technologies: React, Redux, Flask, Node, Express, PostgreSQL, MongoDB, Docker, AWS, Redis, Datadog

EXPERIENCE

Relay — Toronto, ON
Full Stack Engineer Intern — May 2023 – Present
- Working on Risk team's transaction limits and **Unit21** integration that solidifies the security against banking frauds

Super — San Francisco, CA
Software Engineer Intern — Jan 2023 – Apr 2023
- Developed async **Python** modules for integrating external hotel providers like **Expedia** and **WebBeds** into **SuperTravel** that led to **140000+** more hotel rates and increased monthly net revenue by **12%**
- Created new revenue stream by implementing premium feature to add refundability on non-refundable bookings
- Created new API endpoints to process transactions of booking amendment fees and gratuities on the payments **microservice** using **Flask**, **PostgreSQL**, and **Redis** that generates around **20000CAD+** per month

TutorOcean — Ottawa, ON
Full Stack Engineer Intern — May 2022 – Sept 2022
- Single-handedly revamped and migrated the marketplace website to **Next.ts**, improving page **speed index** by **48%**
- Built an internal admin tool using **React**, **Node**, and **Express** that allows one-click refunds, payments, and session booking amendments, facilitating moderators in handling **2200+** customer requests per week
- Developed **Serverless REST API** with **AWS Lambda** to automate tracking of **5000+** mobile users on **HubSpot**
- Scripted event-based scheduler jobs utilizing optimized **MongoDB** queries, reducing **4hrs+**/week of manual labour

UW EntSoc — Waterloo, ON
VP of Tech — May 2022 – Present
- Leading a team of 4 engineers to work on project **Janus** which is a hub connecting UW student entrepreneurs
- Collaborating with product team for sprint planning; and conducting code reviews and **Heroku** deployments

Hexa — Waterloo, ON
Co-founder/Tech Lead — May 2022 – Present
- Architecting an EdTech platform for online schooling, partnering with multiple institutions across South Asia
- Developing a **React** web app; implemented lazy loading using **code-splitting** to reduce page load-time by **53%**
- Integrated a DigitalOcean **load balancer** that facilitates **horizontal scaling** and leads to **6x** faster response time
- Provisioned a multi-node **PostgreSQL** cluster with connection pooling; scaling to handle **10,000 req/sec**
- Supervising 4 junior web developers and strategizing an **agile development** roadmap for upcoming quarters

TutorOcean — Ottawa, ON
Full Stack Engineer intern — Sept 2021 – Dec 2021
- Collaborated with product managers and design team to develop the frontend for marketplace website in **React**
- Applied **SEO** best practices that generated **3x** growth in website traffic and a **87%** jump in user signup rate
- Implemented a message flagging system by utilizing effective **regex** in **MongoDB** query pipelines that restricted fraudulent self-promotions and reduced customer churn rate, saving about **48000CAD+** in revenue/month
- Integrated **HubSpot CRM API** to track customer usage metrics of **41,000+** users, leading to improvements in **lifecycle marketing** and a **28%** increase in customer conversion rate
- Internationalized website to expand customer reach and cater to the needs of **26000+** French speaking users at **Bell**

PROJECTS

EvenJobs ⧉ - React, Redux, Firebase — *github*
- Built an online job search platform using **React** for the underprovided odd/part-time job sector in Bangladesh
- Created a post feed feature that enables employers and seekers to access and add curated job postings in real-time

CryptoTracker ⧉ - React, Axios — *github*
- Developed a website using **React** for tracking cryptocurrencies that allows users to stay updated on real-time market

EDUCATION

University of Waterloo — Sept 2020 - Apr 2025
Bachelor of Computer Science (Honours), 4x Term Dean's Honours List