A S M Taseen

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EDUCATION

University of Waterloo   2020 - 2024
Bachelor of Computer Science (Honours), 4x Term Dean's Honours List

EXPERIENCE

Super   San Francisco, CA
Software Engineer Intern   Jan 2023 – Present
- Developing a **Python** package for integrating **Expedia**'s hotel rates search and booking service into **SuperTravel**
- Created API endpoints for non-booking transactions on **SuperTravel**'s payments **microservice** using **Flask**, **PostgreSQL**, and **Redis**, allowing revenue generation from amendment fees, VIP passes, and gratuities

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 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 job scheduler utilizing optimized **MongoDB** pipelines, saving **3.4hrs**/week of manual labour

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**
- Maintaining a library of **reusable** UI components, resulting in better **scalability** and faster development
- 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
- Owned the development of **20+** webpages using **React** by collaborating with product managers and design team
- 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 **78000CAD+** 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**

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

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
- Integrated an email communication system to connect employers and candidates; improving user engagement

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

SKILLS

Languages: Python, JavaScript, TypeScript, C/C++, SQL
Frontend: React, Redux, Next, Tailwind, Material-UI
Backend: Flask, Node, Express, MongoDB, PostgreSQL, Docker, AWS, Redis, Datadog