A S M Taseen

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EDUCATION

University of Waterloo   *Sept '20 – Apr '25 (expected)*
Bachelor of Computer Science, 2x Dean's Honours List

EXPERIENCE

TutorOcean   *Ottawa, ON*
Incoming Full Stack Developer Intern   May '22 – Aug '22
- Expected to work on infrastructure with REST APIs, **AWS API Gateway**, and **AWS Lambda**
- Recommence in the B2C marketplace team for **SEO** improvements to increase customer acquisition

TutorOcean   *Ottawa, ON*
Full Stack Developer Intern   Sept '21 – Dec '21
- Integrated **HubSpot API** to track **25** unique customer data in HubSpot from the user life cycle of **20,000+** users to improve **lifecycle marketing** which increased customer conversion rates by **18%**
- Enhanced the message flagging scope by generating effective **regex** in **MongoDB** database to increase customer retention by reducing the threat of prohibited internal promotions via the messaging system
- Worked on **Search Engine Optimization** by creating **20+** pages with **React** and **Redux** that increased keyword indexing by **2190+** keywords and website impressions by over **78000**
- Implemented user-facing features on French version of the marketplace website used at **Bell Canada**

Hexa   *Waterloo, ON*
Co-founder & Frontend Lead   Oct'21 – Present
- Architected a multi-service EdTech platform for a market of **3 million** customers across **110+** nations
- Utilized **DigitalOcean** to integrate load balancing and facilitate **horizontal scaling** of infrastructure
- Provisioned a single node **PostgreSQL** cluster with connection pooling to handle **10,000 req/sec**
- Developed UI with **React**; designed the user flow to minimise clicks and maximize conversion rates
- Collaboratively devised algorithms having low computational complexity to facilitate a highly granular searching and sorting mechanism across a search-scope of **12000+** records

PROJECTS

EvenJobs   *github/repo*
- Built an online job search platform for the odd/part-time job sector in Bangladesh using **React**
- Set up **Firebase Authentication** for allowing secure sign in and sign up actions of the users
- Integrated **Cloud Firestore** and **Redux** to collect, store, and assign user data across the platform
- Enabled an email communication system for employers and candidates to connect via the website

Bi-Quadris
- Built duo player tetris game **CLI** in **C++** using **OOP** principles with a **GUI** created using **XQuartz**
- Leveraged design patterns like **Observer** to minimize coupling and **Decorator** to enhance scalability

Crypto Tracker   *github/repo*
- Developed a tracking website for cryptocurrencies with **React** to keep up with real-time statistics
- Utilized the **Axios** library to eliminate **CSRF** and to fetch cryptocurrency data from a **REST API**

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, C++, SQL, C, C#, Python
Frameworks/Tools: React, Redux, MongoDB, PostgreSQL, AWS, DigitalOcean, Git, Linux