A S M Taseen

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EDUCATION

University of Waterloo *Sept '20 – Apr '25 (expected)*
Bachelor of Computer Science, 3x Dean's Honours List

EXPERIENCE

TutorOcean *Ottawa, ON*
Software Developer Intern May '22 – Present(Aug '22)
- Created Serverless REST API on **AWS** to automate tracking of **10000+** mobile users on **HubSpot**
- Improved job scheduling process by optimizing **MongoDB queries** by **55%** for updating client data
- Migrated marketplace website to **NextTS**, improving SEO performance & page speed index by **48%**
- Built admin portal which facilitates granular data representation and one-click payment-refund system

Hexa *Waterloo, ON*
Co-founder & Tech Lead Oct'21 – Present
- Architected a multi-service EdTech platform for a market of **3 million** customers across **110+** nations
- Integrated DigitalOcean load balancer that facilitated **horizontal scaling** and **6x** faster response time
- Provisioned a single node **PostgreSQL** cluster with connection pooling to scale to **10,000 req/sec**
- Developed UI with **React**; implemented lazy loading using **code-splitting** to improve page load-time
- Leading a team of multiple junior developers, **supervising** technical training campaigns and strategizing an **agile roadmap** for the development of upcoming products and innovations

UW EntSoc *Waterloo, ON*
Sr. Full Stack Developer Apr'22 – Present
- Spearheading a developer team to build portal aiming to connect entrepreneurs, startups, and students

TutorOcean *Ottawa, ON*
Full Stack Developer Intern Sept '21 – Dec '21
- Integrated **HubSpot API** to track **25** unique customer data from numerous areas of the user life cycle of **20,000+** users to improve **lifecycle marketing** which increased customer conversion rates by **18%**
- Optimized **MongoDB** pipelines by writing effective regex to enhance message flagging that reduced the threat of prohibited self-promotions via internal chat system, improving customer retention by **45%**
- Improved **Search Engine Optimization** by creating **20+** static React pages to boost page speed that increased keyword indexing by **2190+** keywords and website impressions by over **78000**
- Implemented user-facing features and internationalized site for **26000+** French users at **Bell Canada**

PROJECTS

EvenJobs *github*
- Built an odd/part-time job search platform for Bangladesh with an built-in chat system using **React**
- Utilized **Cloud Firestore** and **Redux** to store, manage, and track user data across the platform

WLP4-Compiler
- Built a compiler in **C++** for **WLP4** programs with effective parsing, scanning, and error handling

Other notable projects: **Crypto-Tracker**, **Algorithma**, **Biquadris**(C++)

SKILLS

Languages: JavaScript, TypeScript, C++, C, C#, Python, NoSQL, SQL
Technologies: React, Next, Node, MongoDB, AWS, Serverless, DigitalOcean, PostgreSQL, Git