SA ADAT AZAM SANIAT

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EDUCATION

McGill University Montreal, QC

B.Sc. Computer Science September 2018 - April 2023

Relevant Coursework: Software Engineering Project, Database Systems (SQL focus), Software Design, Operating Systems, Principles of Web Development (NoSQL focus), Computer Networks

SKILLS

Languages: Java, JavaScript (ES6), Python, TypeScript, HTML5, CSS3

Frameworks & Platforms: React, Node.js, Express, Docker

Database Systems: RDBMS (MySQL), NoSQL (MongoDB)

Developer Tools: Eclipse, Visual Studio Code, Git, Google Cloud Platform (GCP), Firebase, Postman

APIs & Network Protocols: RESTful API, TCP/IP, HTTP

Collaboration Platforms: Slack, Trello, Bitbucket, Github

WORK EXPERIENCE

Paper Toronto, ON (Remote)

STEM Tutor December 2022 - Present

- Developed mentoring curriculum focusing on Java and JavaScript, enhancing platform retention.
- Managed real-time debugging, error resolution, and code optimization during mentoring sessions.
- Collaborated with a team remotely using Slack, improving collective tutoring efficacy by 50%.

Workload Dhaka, Bangladesh

Co-Founder & Chief Operating Officer July 2020 - October 2021

- Led web development initiatives, leveraging HTML5, JavaScript, CSS3, and React to create responsive UIs, resulting in a 50% acceleration in project deliveries
- Streamlined operations via Trello task assignments and Zoom meetings while employing Agile practices, boosting team efficiency by 75%.

PROJECTS

Personal Portfolio Website July 2023 - August 2023

- Utilized React to create an interactive, user-friendly personal portfolio website. Implemented a scalable architecture that accommodates consistent user growth, with a 30% increase in visitor engagement post-launch.
- Designed the website to efficiently handle high traffic, achieving a 99.9% uptime and consistently fast response times under peak load conditions.
- Implemented CI/CD pipelines, leading to a 60% reduction in deployment times and a 40% decrease in post-deployment issues.

Simulated Link State Routing Protocol January 2023 - April 2023

- Utilized Java Socket Programming to create a realistic simulation of the Link State Routing Protocol.
- Ensured the simulated network reliably handled dynamic changes, with a focus on high performance and accuracy, simulating networks with up to 100 routers without performance degradation.

Teaching Assistant Management System Website November 2022 - December 2022

- Developed backend logic and integrated with React using TypeScript, establishing a clear 3-tier application structure using the MERN stack.
- Engineered robust NoSQL schemas (MongoDB) to enhance data integrity.

Elfenland - Multiplayer Online Game September 2021 - April 2022

- Created a multiplayer computer game using Python.
- Designed backend logic using Object-Oriented programming.
- Implemented reusable UI components with PyGame and integrated networking using REST API and Docker for multiplayer support.