Sadia Tasnim

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EXPERIENCE

Software Engineer(Mid level)   **March 2023 - Present**

Auptimate Technologies Ptd. Ltd., a startup based in Singapore dedicated to making it easy to design, launch, and operate market-leading SPVs and Syndicates. As a Software Engineer, I:

- Designed their system from scratch.
- Launched the very first version of their portal in 2 months with a no-code platform while simultaneously working on the backend in .NET.
- Supervised a team of interns.
- Maintaining their infrastructure on the AWS cloud.

Software Engineer   **Feb 2021 - Nov 2022**

Chaldal, [YC S15], is a leading online grocery startup in Bangladesh, promising quality groceries at the best price. As a Software Engineer, I:

- Rebuilt Chaldal's payment system with Chaldal's very own F# and .NET based framework
- Improved Chaldal's user-facing interfaces(Chaldal Web and Chaldal App) built on React and React Native supported by the Express and .NET based servers.
- Built the UI for both web and app for a program called 'Referral' reaching over 7.6k users with 7.9k+ referral usages within a month of the release.
- Built the 'prescription' module of a recently introduced store called the pharmacy for both web and app along with designing and implementing the API specifications for it.

Software Engineer Trainee   **15 Aug 2020 - Dec 2020**

Chaldal

- Maintained Chaldal's web and app interfaces, which serve more than 13 million users and optimized the Chaldal.tech job portal for ease of use.

Software Developer Intern   **Nov 2019 - Dec 2019**

Open Refactory

- Analyzed Java libraries to build a dataset for training automated code correction models.

TECHNICAL SKILLS

Languages : TypeScript, JavaScript, C, C++, F#, C#, Python, Java, HTML, CSS, SQL, Assembly (8086), Shell Script, R, MATLAB, LaTeX

Database : MySQL, PostgreSQL, Oracle

Tools/Framework/Library : React, React Native, NextJs, NestJs, MobX, .NET, Docker, Express, Gulp, Service Fabric, Prisma, PlanetScale, Tailwind CSS, LESS, Bootstrap, Bubble

Cloud : AWS, Azure DevOps

Familiar : Django, OpenGL, Unity

EDUCATION

Bangladesh University of Engineering and Technology (BUET)

B.Sc. in Computer Science and Engineering(CSE)

February, 2016 - February, 2021 (delayed due to COVID-19)
CGPA: 3.53/4.00

PROJECTS

Url Shortener   **Jan 2023**

Created a Url Shortener using Ticket Server and Base62 encoding.
- **Technology/Tools:** Docker, Nginx, AWS Lightsail, NextJs, Prisma, MySql on PlanetScale
- **Live Demo:** https://go.sadia.dev
- https://github.com/Sadia1505076/url_shortener_with_docker_aws

Chaldal Tech Job Portal   **Aug 2020**

- **Technology/Tools:** React, CSS
- https://github.com/Sadia1505076/chaldal_job_portal_react

Stock Price Prediction System   **May 2019**

We used Time-Series analytical models to predict Dhaka Stock Exchange (DSE) stock prices. The results were shown via a web interface.
- **Technology/Tools:** Python, Keras, Django, MySQL, HTML, CSS, Bootstrap
- https://github.com/Sadia1505076/stock-price-predictor

Basic CRUD microservice   **Mar 2023**

Created a basic CRUD microservice with NestJs and MySql database. The API endpoints are documented in swagger.
- **Technology/Tools:** NestJs, MySql, Prisma
- https://github.com/Sadia1505076/CRUD_microservice

RESEARCH EXPERIENCE

Undergraduate Thesis (May 2019 - Feb. 2021) with Assistant Professor Dr. Atif Hasan Rahman on **Efficiency in Quantifying Abundance of Transcripts from RNA seq Data**

Worked with Prof. M. Sohel Rahman on **Revisiting hCov Genome Sequences: Analyzing and Looking Beyond** (Mar. 2020 - Feb. 2021) part of which resulted in a paper published in MedInfo 2021

CERTIFICATION AWS Certified Solutions Architect - Associate

RELEVANT KNOWLEDGE

- Artificial Intelligence • Software Engineering
- Data Structures and Algorithm
- Database • Operating System • Computer Networks
- Compiler • Object Oriented Programming Language
- Computer Security • Structured Programming Language

REFERENCE

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