NAYMUL HOSSAIN

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SKILLS

- **Languages:** Python, JavaScript, Typescript, VB.NET, Go, Java, C++, C, R, MATLAB, Bash
- **Tools:** AWS(EC2, Lambda, S3, EBS), Git, Jira, Docker, Postman, Heroku, Dialogflow
- **Frameworks & Databases :** Angular, React, Express, Node.js, .NET, PostgreSQL, MongoDB

CERTIFICATIONS

AWS CCP | MEAN Stack: Angular & NodeJS | Django: Build & Deployment

EDUCATION

University of Waterloo   Sep 2017 – Aug 2021

Bachelor of Mathematics, Honours Computational Mathematics

Minors: Statistics, Computer Science, Combinatorics & Optimization

EXPERIENCE

Competers Inc.

Software Engineer (Full-Stack Engineer)   Aug 2022 – Dec 2022

Designed & Developed new features, maintained codebase & cloud services, improved scalability

- Developed and implemented new features in a Node.js environment, utilizing Angular for the front-end and Express.js for the back-end resulting in a 15% increase in user engagement.
- Transformed SOAP microservices into REST APIs utilizing the .NET framework & Test-Driven Development methodology, resulting in a 20% reduction in errors & increased system efficiency.
- Remodeled existing microservices to AWS Lambda functions, tested with the serverless framework which resulted in a 13% improvement in scalability and performance & optimized SQL queries.
- Participated in consistent code reviews and pair programming, resulting in a significant reduction in debugging time, improvement in code maintainability, and team productivity.

bKash Limited

Software Engineering Intern (Backend Engineer)   May 2019 – Aug 2019

Developed new features, containerized services, improved scalability and fault tolerance

- Created and implemented new features using Python's Django REST framework, resulting in a 11% improvement in performance, as well as a 15% increase in user satisfaction
- Implemented secure communication using Django REST and JSON Web Token (JWT) authentication for improved security, preventing Cross-Site Request Forgery (CSRF) attacks
- Integrated a conversational bot utilizing Dialogflow and Facebook's SDK, leveraging AWS S3 to host linguistic keywords, resulting in improved customer engagement and bot functionality

PROJECTS

Post Feed *(TypeScript, MongoDB, Express, Angular, Node.js)*   shorturl.at/D1356

- Designed a secure post-feed application by implementing Angular in the frontend with ExpressJS as the backend framework, utilizing TypeScript for improved type checking and code maintenance
- Deployed a scalable REST API & the Angular app using AWS EBS, featuring error handling, authentication, tokenization & pagination for efficient database management using MongoDB

Daily Taskmate *(Python, Django REST, PostgreSQL, Heroku)*   shorturl.at/ckmJP

- Created a task manager web app using Django with user registration and login authentication
- Implemented CRUD functionalities using Django REST & connected the database with endpoints
- Migrated the database from SQLite3 to PostgreSQL and deployed the app live on Heroku