

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, CodeCommit), Git, Jira, Docker, Postman, Heroku, Dialogflow
- **Frameworks & Databases :** Angular, React, Express, Node.js, .NET, PostgreSQL, MongoDB

CERTIFICATIONS

AWS Cloud Practitioner | Javascript Essentials | 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 – Nov 2022

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

- Implemented UI changes with Angular & endpoints using Express.js in a Node.js environment
- Re-configured SOAP microservices as REST APIs through TDD by utilizing .NET framework
- Remodeled existing microservices in AWS Lambda functions and tested with serverless framework
- Wrote SQL queries to create reports for stakeholders and to communicate with clients
- Participated in regular code reviews and pair programming for debugging and maintenance

bKash Limited

Software Engineering Intern (Backend Engineering)

May 2019 – Aug 2019

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

- Remodeled micro-services using Python's Django REST to improve performance by 11%
- Implemented endpoints using Django REST for secure communication with JWT Authentication
- Containerized micro-services using Docker, and performed automated testing using Postman
- Programmed a conversational bot with Dialogflow, and integrated its API with Facebook's SDK
- Used AWS S3 bucket to host linguistic keywords to connect with Dialogflow's API

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Software Engineering Intern (Data Engineer)

Jun 2018 – Aug 2018

Built data systems and pipelines, analyzed raw data, built algorithms and prototypes

- Used Python, SQL and Apache Spark to create a cloud-first data ingestion for data processing
- Performed data cleaning using Pandas and NumPy, increasing accuracy of the model by 15%
- Scripted algorithms in Python for land cover classification by leveraging geospatial data

PROJECTS

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 Server

Movies API (*Go, Gorilla, Postman*)

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- Created a REST API using Go's Gorilla package for movie information & tested using Postman