

# NAYMUL HOSSAIN

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## SKILLS

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- **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

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**AWS Certified Cloud Practitioner | Javascript | Django: Build & Deployment**

## EDUCATION

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**University of Waterloo**

Sep 2017 – Aug 2021

**Bachelor of Mathematics, Honours Computational Mathematics**

**Minors:** Statistics, Computer Science, Combinatorics & Optimization

## EXPERIENCE

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### Competers Inc.

*Software Engineer (Full-Stack Engineer)*

Aug 2022 – Present

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

### icddr, b

*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

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**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*)

shorturl.at/ouGR2

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