

MOHAMMED ISTIAQ ULLAH

github.com/istiaq107 — miullah@uwaterloo.ca — medium.com/@istiaq107 — [in/istiaq107](https://in.istiaq107)

EDUCATION

Bachelor of Computer Science, University of Waterloo, Class of 2020

TECHNICAL STRENGTHS

Languages	Python, Javascript, C/C++, Java
Tools	REST API, Docker, SQL, DevOps, AWS Lambda, AWS ECS, AWS EC2
Frameworks	GraphQL, Django, Node.js, React.js, Highcharts, pandas, sklearn, boto3

EXPERIENCE

Emagin Clean Technologies Inc. Full Stack Developer
May - Aug, 2018

- Developed third party REST API that exposes mass data to partner companies
- API calls are passed by AWS API Gateway to AWS Lambda which queries PSQl database for data
- Handled user authentication and authorization in API Gateway for secure and restricted calls to API
- Setup EC2 Virtual Machines to run data processing tools and train models when data is received
- Dockerized VM environments to reduce startup times and risk of startup failure
- Automated instantiation of VM instances triggered by Lambda upon reception of data
- Collaborated with modelling team to develop debugging tool in React.js to visualize model dependencies

Emagin Clean Technologies Inc. Backend Developer
Sept - Dec, 2017

- Closely communicated with company leaders to plan and design demo in Django, acquiring new clientele
- Handled data visualization using Highcharts, Kibana and implemented authentication in Django
- Developed production server in Node GraphQL, optimized for querying bulk data from MySQL database
- Reduced site load times using caching and batched queries, resulting in fewer and lighter server calls
- Exposure to SCRUM methodologies to achieve weekly goals in fast paced development environments

PROJECTS

Sentiment140 github.com/istiaq107/Sentiment140
Dec 2018

- Built Naive-Bayes model, trained with 1.6 million records of Twitter data, that classifies text sentiment
- Acquired knowledge in Natural Language Processing, and used Google Cloud to train model

ChamberCrawler3000
July 2017

- Developed game in C++ using core object-oriented concepts for school project
- Project involved using object-oriented design patterns, and UML to visualize module relationships

Flask-Mongo Project discussionforum-46c75.herokuapp.com
May 2017

- Built a Reddit-influenced online forum that allows users to create posts and add replies
- Used Flask to serve HTML dynamically, and PyMongo to handle an mLab MongoDB database