SOURAV SARKER

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HIGHLIGHTS OF QUALIFICATION

- Two years of experience in Python and javascript by developing different projects.
- Hold a good understanding of Amazon Web Services, Docker & CI/CD pipeline while working on cloud transformation project during the work term.
- Research, analytical & problem-solving skills gained through course work.
- Experienced in building and setting up new development tools and infrastructure.

EDUCATION

M.S. In Computer Science
Memorial University of Newfoundland
2019-2021

B.S. In Electronic and Telecommunication Engineering
Southeast University
2011-2015

RELATED WORK EXPERIENCES

Cloud Developer Analyst (Work Term)
Inmarsat, Mount Pearl, NL
2020-Winter

- Assisted in the development of automation capabilities to further the drive towards Infrastructure as Code (IaC).
- Played a role in the adoption and journey to the cloud, providing best practice guidance whilst supporting the migration of virtual and physical workloads into Amazon Web Services (AWS).
- Developed a proof of concept by working on writing code for an AWS Lambda function and introduced with CI/CD process.

Associate DevOps Engineer
Transcom Limited, Dhaka, BD
January 2016 – November 2018

- Planned and developed a cloud storage solution that saved the company from massive investment in google drive or Dropbox.
- Assisted in developing a new automated update process of windows and linux servers from a central secured update repository.

OTHER WORK EXPERIENCE

Teaching Assistant
Memorial University of Newfoundland
2020-Fall

- Teaching assistant of the Discrete Mathematics (COMP 1002).
- Prepared questions for quiz drills and assisted students in scheduled labs and grading.

CERTIFICATES

- **DevOps Foundations: Infrastructure as Code**
  LinkedIn, Feb, 2021
- **DevOps Foundations: Containers**
  LinkedIn, Feb, 2021
- **Continuous Integration: Tools**
  LinkedIn, Feb, 2021
- **M001: MongoDB Basics**
  MongoDB University
  Jan, 2021

- **Terraform for AWS – Beginner to Expert 2020**
  Wrap 9 Training, Udemy
  Dec, 2020
- **Ultimate Java Part 1: Fundamentals**
  Code with Mosh
  Augt, 2020
- **Build Data Visualization with D3.js & Firebase**
  The Net Ninja, Udemy
  Jan, 2020

TECHNICAL SKILLS

- **JavaScript**
- **Python**
- **Flask**
- **Shell Scripting**
- **Version Control**
- **Jira**
- **AWS**
- **Terraform**
- **Flask-RESTful**
- **PostgreSQL**
- **MongoDB**
- **HTML-CSS**

ONGOING PROJECT

Real-time Traffic Map with Python, Selenium, Leaflet.js and Firebase.

PROJECTS

- **NeuroSAT, A Graph Neural Network Based SAT Solver** (Python, Matplotlib, Numpy)
  December 2020

- **Distance Measurement between objects in an image with & without perspective transformation** (Python, OpenCV)
  July, 2020

- **AWS S3 SFTP Bridge with Lambda Function** (AWS, CloudWatch, JavaScript)
  April 2020

- **Data Visualization on Human Activities** (JavaScript, D3-JS, HTML, CSS)
  November 2019

- **The Pig-Game based on JavaScript (Web App)** (JavaScript, HTML, CSS)
  August 2019

- **Google-Play-Store-Analysis – Data Visualization** (Python, Matplotlib, Numpy)
  June 2019

- **Street View House Number Recognition Using Convolution Neural Networking** (Python, CNN, Image Processing, Numpy)
  April 2019

- **Best Model Selection for Imbalanced Binary Classification Problem** (Python, Machine Learning, Numpy)
  March 2019

- **K-fold Cross-validation (k-fold CV) from Scratch** (Python, Machine Learning, Numpy)
  February 2019

- **KNN Classification Algorithm from Scratch** (Python, Numpy)
  January 2019

EXTRA ACTIVITIES

Volunteer : Food Bank, Corte Real (Burton's Pond) February 2019

* References are available upon request.