

SOURAV SARKER

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PROFESSIONAL SUMMARY

Resourceful computer science graduate passionate about software engineering and cloud technologies. A competent capable leader, having led multiple class projects to completion. Talented at object-oriented design, functional programming paradigms and infrastructure as code. Demonstrated mastery of Python, Java and Javascript as well as a passion for continual learning.

EDUCATION

M.S. In Computer Science

Memorial University of
Newfoundland
2019-2021

B.S. In Electronic and

Telecommunication Engineering
Southeast University
2008-2012

RELATED WORK EXPERIENCES

Cloud Delivery Engineer (Co-op)

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).
- Demonstrated my quick learning ability with a proof of concept by working on writing python code for an AWS Lambda function and CI/CD process.

Assistant System Administrator

Transcom, Dhaka, BD
Jul 2012 - Nov 2018

- Appointed as Network Engineer and then quickly promoted to Asst. System Administrator after a successful development of private cloud storage.
- Build an internal wiki with technical documentation, manuals and IT policies.
- Implemented new software applications and operating system roll-outs across business enterprise, including Sage ACCPAC and MYSQL.
- Researched and identified new technologies and tools helping to grow agile development environment.

OTHER WORK EXPERIENCE

Graduate Teaching Assistant

Memorial University of Newfoundland
2020-Fall

- Checked assignments, proctored tests, and provided grades according to university standards.
- Prepared questions for quiz drills and assisted students in scheduled labs.

CERTIFICATIONS

- Ultimate Java Part2: Object-oriented Programming (MOSH-Mar, 2021)
- DevOps Foundations: Infrastructure as Code (LinkedIn-Feb, 2021)
- DevOps Foundations: Containers (LinkedIn-Feb, 2021)
- Continuous Integration: Tools (LinkedIn-Feb, 2020)
- M001: MongoDB Basics (MongoDB University-Jan, 2021)
- Terraform for AWS: Beginner to Expert (Udemy-Dec, 2020)
- Ultimate Java Part1: Fundamentals (MOSH-Aug, 2020)
- Build Data Visualization with D3.js & Firebase (Udemy-Jan, 2020)

TECHNICAL SKILLS

- JavaScript
- Python
- Java
- Algorithms & Data Structures
- Version Control
- Agile Environments
- AWS
- Terraform
- Flask
- 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)
Dec 2020
- Distance Measurement between objects in an image with & without perspective transformation (Python, OpenCV)
Jul, 2020
- AWS S3 SFTP Bridge with Lambda Function (AWS, CloudWatch, JavaScript)
Apr 2020
- Data Visualization on Human Activities (JavaScript, D3-JS, HTML, CSS)
Nov 2019
- The Pig-Game based on JavaScript (Web App) (JavaScript, HTML, CSS)
Aug 2019
- Google-Play-Store-Analysis - Data Visualization (Python, Matplotlib, Numpy)
Jun 2019
- Street View House Number Recognition Using Convolution Neural Network (Python, CNN, Pandas, Numpy, Scikit Learn)
Apr 2019
- Best Model Selection for Imbalanced Binary Classification Problem (Python, Machine Learning, Pandas, Numpy, Scikit Learn)
Mar 2019

EXTRA ACTIVITIES

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

* References are available upon request.