SOURAV SARKER

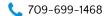📞 709-699-1468   ✉ souravsker@gmail.com

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PROFESSIONAL SUMMARY

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

EDUCATION

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

B.S. In Information & Communication Engineering
Eastwest University
2011-2015

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).
- Developed a proof of concept by working on writing code for an AWS Lambda function and introduced with CI/CD process.

DevOps Engineer
SK+F, Dhaka, BD
Jan 2016 – Nov 2018

- Monitored automated build and continuous software integration process to drive build/release failure resolution.
- 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, 20201)
- **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 Networking** (Python, CNN, Image Processing, Numpy)
  Apr 2019

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

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

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

EXTRA ACTIVITIES

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

References are available upon request.