

SOURAV SARKER

709-699-1468 souravsker@gmail.com

github.com/souravskr

linkedin.com/in/sourav-s

souravs.netlify.app

leetcode.com/oxenpond

PROFESSIONAL SUMMARY

Resourceful computer science graduate passionate about software engineering. AWS certified developer associate and HashiCorp certified Terraform associate. Helped Synopsys to identify a bug in their Black Duck Software Composition Analysis product. Over 200 pull requests were approved and merged in a year. Demonstrated proficiency in developing automation scripting on Python and NodeJs as well as passion for continual learning. Excellent team player with solid troubleshooting and problem-solving skills.

EDUCATION

M.S. In Computer Science

Memorial University of Newfoundland
Jan 2019 - Feb 2021
GPA: 3.75

WORK EXPERIENCES

Cloud Developer

Sequence Bio, St. John's, NL
July 2021-July 2022

- One of the key contributors to the team to achieve on an average 96% quarterly task accomplishment.
- Developed automation script using Github API to deploy new docker image to all Github repositories.
- Implemented Black Duck: Synopsys detect and integrated with CircleCI using Synopsys API.
- Efficiently solved Salesforce cases by working closely with the cloud and application team.
- AWS infrastructure deployment using Terraform and Terragrunt.
- Built custom Databricks Docker images based on company requirements.
- Configured Spark cluster for research team to use the glue catalog and access S3 buckets.
- Developed a CircleCI orb for the first time in Sequence Bio for hassle-free continuous integration.
- Terraform module upgradation from Terraform v0.11 to Terraform v1.0 for continuous future support.

Jr. Cloud Engineer (Co-op)

Inmarsat, Mount Pearl, NL
2020-Winter

- 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.

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.

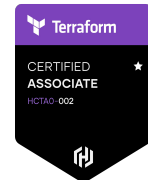
EXTRA ACTIVITIES

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

TECHNICAL SKILLS & TOOLS

- JavaScript
- Terraform
- AWS Lambda
- CI/CD
- Docker
- Git
- IntelliJ IDEA
- Python
- API Gateway
- SQL/NoSQL
- Agile Methodology
- Data Structure and Algorithm
- Salesforce and Asana

BADGES



PROJECTS

Email Weather Update Using AWS Lambda (Cloudwatch EventBridge, Lambda, Nodejs, DynamoDB, SNS) August 2022

Cross account RDS backup using AWS backup (AWS Backup, RDS, KMS, SNS, Terraform, Terragrunt) June 2022

Facilitate an AWS Databricks Spark cluster to use Packrat as RStudio package manager (Docker, Databricks, Spark, R) May 2022

Cross account S3 replication (Terraform, AWS S3, IAM, KMS) May 2022

Implementation of Black Duck® software composition analysis (SCA)(Python, CircleCI, Bash) Dec 2021-Mar 2022

Terraform Upgradation (Terraform, Terragrunt) Oct 2021 - July 2022

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) July 2020

AWS S3 SFTP Bridge with Lambda Function (S3, EventBridge, Lambda, Python) April 2020

ONLINE COURSES

Data Structures and Algorithms - JavaScript
Udemy - Aug 2022

Ultimate AWS Certified Developer Associate 2022
Udemy - Mar 2022

Learn DevOps: Infrastructure Automation With Terraform
Udemy - Sep, 2021)

Ultimate Java Part2: Object-oriented Programming
MOSH-Mar, 2021

Ultimate Java Part1: Fundamentals
MOSH-Mar, 2021

M001: MongoDB Basics
MongoDB University-Jan, 2021

* References are available upon request.