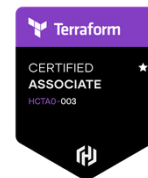# Souvik paul

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Lake Town , Kolkata , 700048 , West Bengal .

PORTFOLIO in ⦿

PROFILE SUMMARY

Certified Terraform Associate with a proven track record of implementing and managing complex infrastructure and software development projects. Skilled in designing and deploying IAC, managing cloud infrastructure, and optimizing system performance.

PROFESSIONAL SKILLS

- Amazon Web Services (AWS):IAM, EC2, RDS, LAMBDA, S3, CLOUDWATCH, KMS, AWS ORG., RG, SNS, SQS, SSM, VPC, ROUTE 53, CLOUDFRONT, etc.
- Containerization: Docker.
- C , C++ , Python , Bash scripting.
- IAC: Terraform (Certified Terraform Associate)
- CI/CD: Jenkins, GitHub Actions.
- Orchestration: Kubernetes
- Rego (OPA)

PROJECTS

- _SSM PATCHING OF WINDOWS AND LINUX SERVERS_ 🔗   _2024 april_

  Key responsibilities:
  - create resource groups and list all the servers that we wanted to patch
  - attach IAM roles to the managed instances,
  - create patch baseline, and patch policy for the ssm

- _Monitor lambda with cloudwatch || AWS_ 🔗   _2024 april_

  Key responsibilities:
  - monitor 2 lambdas using cloudwatch logs and metrices, check for certain patterns
  - push sns notification to email also trigger another lambda that further creates an ITSM ticket.
  - create automation(IAC) using terraform of this chunk of infrastructure .

PROFESSIONAL EXPERIENCE (FREELANCE)

- Designed and implemented automated software deployment pipelines using GitLab CI/CD and Jenkins.
- Managed cloud infrastructure on AWS, including EC2, S3, RDS, IAM, Cognito, Cloud Watch, VPC, Route 53, API Gateway, Amplify, ECS, EKS, etc., resulting in improved system performance and availability.
- Converted DockerFiles written in PHP to Alpine, to reduce the size.
- Managed and deployed 3-tier architecture using microservices and orchestration, also added monitoring and security as a plus.
- Developed infrastructure-as-code scripts using Terraform, resulting in increased automation and efficiency.

EDUCATION

Bachelor of Technology (B-TECH) in Computer science   _2020-2024_
Techno India University , West Bengal
CGPA: 8.1

VOLUNTEER AT AWS USER GROUP KOLKATA   _2023 Nov - present_