

RAHUL SINGH

Cloud Automation Engineer I



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SUMMARY

Automation Engineer with 2 years of experience in SaltStack and Terraform. Proficient in designing and implementing efficient cloud automation solutions. Track record of streamlining workflows and enhancing operational efficiency. Strong collaborator and quick learner. Looking to contribute expertise to a forward-thinking team.

SKILLS

- Infrastructure Management using Terraform (IaC)
- Configuration Management using Saltstack
- Continuous Integration/Continuous Deployment (CI/CD)
- Python Programming
- Data Structures and Algorithms
- Docker, Containerization and Kubernetes
- Azure and GCP as cloud platform
- Shell Scripting
- HashiCorp Packer
- Cloud Services Management (Azure, GCP, Kubernetes)
- Collaboration and Documentation
- Problem Solving and Troubleshooting

EDUCATION

National Institute of Technology, Silchar, Assam

Bachelor's Degree(B-Tech) in Computer Science
2017 – 2021 (CGPA - 8.3/10)

Mittal Internation Institute, Kota, Rajasthan

Senior High School (+2 Certificate in PCM)
2014 – 2016 (80.8%)

VOLUNTEER

- Delivered informative sessions on Saltstack and Terraform, sharing expertise with peers and promoting best practices.
- Facilitated a Tech bootcamp to share knowledge and enhance the technical skills of fellow colleagues, also to insure smooth transition between sessions.
- Played a pivotal role in the management team of the College Cultural and Tech Festival, showcasing strong organizational and leadership skills.

PROFESSIONAL EXPERIENCE

Cloud Automation Engineer I

Schlumberger (Rebranded to SLB) | Aug 2022 – Present

- Terraform Enterprise Deployment in Google Cloud Platform
 - Orchestrated the deployment of Terraform Enterprise in Google Cloud Platform (GCP)
 - Utilizes HashiCorp Packer and Terraform to automate infrastructure provisioning and management.
 - Uses different cloud services such as Redis, Managed Instance Group etc. in different region
- Open Source Saltstack platform Deployment
 - Deployment of an open-source Saltstack architecture to promote configuration management and automation.
 - Designed and documented deployment procedures and best practices, enabling efficient management and scaling of the Saltstack infrastructure
- Migration of Saltstack's Salt-Master to from Kubernetes to VM's
 - Movement of data available in PVC to VM's
 - Movement of salt-minion keys available in master.
 - Have experience in setup of saltstack's salt-master and it's configuration

Associate Cloud Engineer

Schlumberger(Rebranded to SLB) | July 2021 – Aug 2022

- Cloud Automation Playground Web Application
 - Designing and Development of application using Flask, Python Backend, Nginx and uWSGI
 - Implemented containerization with AKS (Azure Kubernetes Service) for deployment, enabling seamless scaling and ensuring high availability.
 - Integrated CI/CD pipelines to automate deployment processes, reducing manual intervention and enabling rapid deployment of features.
 - Automated azure pipeline for on demand infrastructure provisioning using terraform. Resouce created will be auto destroyed after 4 hours.
- Responsible for automation using Terraform and Saltstack
 - Development of Terraform module to utilize Infrastructure as a code(IaC) to deploy application infrastructure.
 - Development of saltstack custom module using python, engines, reactor, statefile etc to trigger in minion servers