Sumit Kumar Das

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EDUCATION

B.TECH IN COMPUTER SCIENCE
NIT Silchar, Assam
July 2016 - June 2020
Silchar, Assam, INDIA
Cum. GPA: 6.39 / 10.0

HIGHER SECONDARY
Barpeta Academy, Assam
April 2014 - March 2016
Barpeta, Assam, INDIA
Percentage: 87.00 / 100.00

SECONDARY EDUCATION
Sankardev Vidya Niketan, Assam
February 2013 - March 2014
Barpeta, Assam, INDIA
Percentage: 83.67 / 100.00

LINKS

Github:// **sumitNITS**
LinkedIn:// **Sumit Kumar Das**
Twitter:// **@Jack00589**
Hashnode:// **@sumitNITS**
Quora:// **Sumit-Kumar-Das-128**
Medium:// **@krsumit449**

COURSEWORK

UNDERGRADUATE
Data Structures | Algorithms
Operating Systems
Computer Networks
Cloud Computing
Databases Management
Software Engineering
Linux and Shell Scripting

SKILLS

PROGRAMMING
C++ • Python • Shell/Bash

PRIVATE AND PUBLIC CLOUDS
VMware (ESXi, vSphere) • AWS • Azure

IAC
Ansible • Terraform • AWS
CloudFormation

CONTAINER TECHNOLOGY
Docker • Kubernetes • Ranchar

CI/CD
AWS CI/CD • Argo CD • Jenkins

EXPERIENCE

DEVOPS ENGINEER Sify Technologies
1st Sept 2020 – 23rd Feb 2024 | Chennai, INDIA

VMWARE CLOUD MANAGEMENT EXPERTISE
- Spearheaded the creation and management of on-premise VMware cloud resources, establishing distinct UAT and DEV environments for comprehensive tool and technology testing.

CLOUD MIGRATION EXCELLENCE
- Pioneered the transition of application environments from monolithic structures to microservices architecture using Docker and Kubernetes.
- Orchestrated the construction of Kubernetes clusters via Kubeadm in on-premise settings, facilitating the seamless migration of microservices to AWS. Expertly managed AWS EKS clusters with eksctl and enhanced application deployment through AWS CI/CD pipelines.

ADVANCED CLOUD SERVICE AUTOMATION
- Authored sophisticated Ansible scripts to streamline VM deployments in on-premise frameworks and to automate essential components like Redis DB and HAProxy.
- Developed bash scripts for the efficient deployment of Kubernetes clusters using kubeadm.
- Crafted and implemented Terraform and AWS CloudFormation templates for the efficient provisioning of AWS resources.
- Streamlined Jenkins pipeline for source code integration from Git, security scanning with SonarQube, Docker image building, and deployment to Kubernetes clusters.

TAILORED MONITORING SOLUTIONS
- Deployed and fine-tuned ScienceLogic and Zabbix monitoring systems, excelling in dashboard creation, threshold settings, and alert configurations for proactive IT infrastructure management. Took charge of high-priority support tickets, ensuring swift resolution of critical issues.

EFFICIENT SYSTEM MANAGEMENT
- Successfully deployed monitoring agents across Windows and Linux platforms, facilitating device integration into monitoring frameworks. Executed regular system checks, maintained meticulous documentation, and adeptly managed Linux servers in varied environments, showcasing profound system administration expertise.

AWARDS AND CERTIFICATIONS

Year	Organization	Title
2023	Linux Foundation	The Shubhra Kar Linux Foundation Scholar
2023	Microsoft	Designing and Implementing Microsoft DevOps Solutions
2022	ScienceLogic	ScienceLogic SL1 Professional
2020	AWS	AWS Certified Solutions Architect – Associate
2016	Assam NER	Ishan Uday North East Region Scholar

HOBBIES AND INTERESTS

Blog Writing, Video Editing, Cooking, Travelling, Exercise, Open Source, Automation, DevOps and Full Stack, Stock Market, Blockchain and Cryptocurrencies