**Sandip Das**

**Contact:** +91-7595841999 , ~ **E-Mail:** sandip.das39@gmail.com

**JOB OBJECTIVE**

**Seeking a challenging role as a Principal or Lead DevOps Engineer, leveraging my expertise in cloud infrastructure, automation, and orchestration to drive scalable, secure, and efficient DevOps solutions for enterprise environments.**

**PROFILE SUMMARY**

* Results-driven **Senior DevOps Engineer** with 16 years of IT experience, including 5+ years specializing in **cloud infrastructure, automation, and DevOps transformation**, currently associated with **S&P Global**.
* **Certified AWS DevOps Engineer** and **Kubernetes Administrator** with proven expertise in designing, automating, and managing **scalable, resilient, and secure cloud infrastructures** using modern DevOps and Infrastructure as Code (IaC) practices.
* Proficient in **Terraform** and **CloudFormation** for consistent, automated provisioning and environment management across multi-region deployments.
* Skilled in **CI/CD pipeline implementation**, **containerization**, and **orchestration** using Git, Docker, and Kubernetes to streamline release cycles and improve reliability.
* Strong foundation in **Linux administration**, **Python** and **shell scripting**, including automation of cloud operations and AWS workflows using **Boto3** and **Lambda**.
* Adept at collaborating with cross-functional teams, **optimizing DevOps processes**, and driving **infrastructure modernization and operational excellence** initiatives.
* Recognized for strong analytical thinking, problem-solving, and communication skills, with a consistent focus on **delivery quality and reliability.**

**TECHNICAL SKILLS**

**Cloud Technologies**: AWS

**Provisioning and Configuration Tools**: Terraform, CloudFormation, Ansible

**Scripting**: Python, Bash and Powershell

**Versioning Tools**: GIT, GITHUB

**CI/CD Tools**: Gitlab CI, Github Actions, TFS , Azure Devops, Teamcity and octopus Deploy

**Containerization Tools**: Docker, Kubernetes

**Operating Systems**: RHEL, HP-UX, Ubuntu, Solaris, Windows

**Databases**: Mysql, PostgreSQL, SQL Server

**Monitoring/Visualization Tools**: Splunk, Kibana

**ORGANISATIONAL EXPERIENCE**

**S&P Global, Noida as Senior Devops Engineer Apr'21-Till Date**

**Role:**

* **Deployed multi-region Apache Pulsar applications** on **Amazon EKS** using **Terraform** and **Helm charts**, ensuring high availability and scalability across environments.
* **Provisioned new development environments** leveraging **AWS CloudFormation templates**, streamlining environment setup and consistency.
* Designed and implemented an **automated Disaster Recovery (DR) failover and failback mechanism** using **AWS SSM Automation Documents** and **Terraform** for the **Prism application**.
* Led the **migration of multiple repositories from GitLab to GitHub**, aligning with enterprise DevOps modernization initiatives.
* Configured **Amazon CloudWatch alerts** for critical production workloads and **integrated incident notifications with PagerDuty** to enhance operational responsiveness.
* Automated the **creation and refresh of TeamCity build agents and AMIs** using **Packer**, improving build stability and scalability.
* Collaborated with developers to build a **.NET microservice template**, automating **new service creation** along with its **end-to-end CI/CD pipeline setup**.
* Optimized **build and deployment pipelines** to improve performance and reduce delivery time across multiple applications.
* Integrated **SonarQube** and **Whitesource** analysis steps into CI pipelines to strengthen **code quality, coverage, and vulnerability detection**
* Executed **Aurora MySQL and PostgreSQL global database upgrades**, ensuring minimal downtime and enhanced performance.
* Performed **patch management** and **vulnerability remediation** on production servers using **Tanium**, reducing the overall risk posture.
* Provided **daily CI/CD operational support**, troubleshooting and resolving pipeline failures to ensure continuous delivery continuity.

**S&P Global [Formerly IHS MARKIT], Gurgaon as Senior System Administrator Jan'17-Mar’21**

* Upgraded NetBackup Master, Media, and Client servers, along with OpsCenter, to v7.7+ across UNIX and Windows environments, ensuring stable and optimized backup operations.
* Migrated enterprise backup infrastructure from NetBackup to CommVault, including installation, configuration, and integration of CommVault appliances for seamless data management.
* Configured and maintained CommVault backup solutions, covering File System, SQL, Oracle, NAS, Exchange, and VMware backups, ensuring compliance and operational efficiency.
* Troubleshot daily backup failures, performed Root Cause Analysis (RCA), and coordinated with cross-functional teams and vendors to resolve infrastructure, storage, and appliance-related issues.

**Consolidated Backup & Storage Roles (2009 – 2017)**

(**HCL Technologies, ITAccess Singapore Pvt Ltd. , Softenger Singapore Pvt Ltd., IBM India**)

* Managed NetBackup, CommVault, and EMC VNX storage infrastructures across multi-region environments (US, Europe, APAC).
* Installed, upgraded, and maintained backup clusters, OpsCenter, tape libraries, and VTL systems, ensuring high availability and performance.
* Configured disk/tape storage policies, snapshot backups, Vault setups, and Storage Lifecycle Policies (SLP).
* Automated reporting, email alerts, and Control-M jobs via Bash/Perl scripting.
* Administered backups for databases (Oracle, SQL), File Systems, Exchange, Lotus Notes, SAP, SharePoint, VMware, Hyper-V, and conducted monthly DR tests.
* Performed Root Cause Analysis for backup failures and coordinated with hardware vendors for timely issue resolution.
* Managed large-scale client environments (up to 18,000+ clients), optimizing backup performance and reliability

**CERTIFICATION**

* **Data protection Administration for UNIX using Netbackup 6.5**
* **CommVault Certified Professional**
* **Redhat Certified System Administrator in RHEL 7**
* **Redhat Certified Engineer in RHEL 7**
* **AWS Certified Sysops Administrator (SOA-C01)**
* **AWS Certified Solution Architect Associate (SAA-C02)**
* **AWS Certified Devops Engineer Professional (DOP-C01)**
* **Certified Kubernetes Administrator (CKA)**

**EDUCATION**

2008 B.Tech. (Electronics & Communication) with 8.058 CGPA from Sikkim Manipal Institute of Technology, University

2004 12th with 76.5% from Sri Aurobindo Institute of Education, Kolkata, ISC

2002 10th with 76% from Sri Aurobindo Institute of Education, Kolkata, ICSE

**PERSONAL DETAILS**

Date of Birth: 19th December, 1985

Address: Flat - K/14, Cluster-13 , Purbachal, Salt Lake, Kolkata- 700097

Languages Known: English, Hindi and Bengali

Location Preference: India