**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 in cloud and DevOps automation**, currently associated with **S&P Global**.
* **Certified AWS DevOps professional** with hands-on expertise in designing, automating, and managing **scalable cloud infrastructures** using AWS services such as **EC2, VPC, S3, RDS, CloudFormation, CloudWatch, and CodeDeploy** .etc.
* Proficient in **Infrastructure as Code (IaC)** using **Terraform** and **CloudFormation**, enabling consistent and automated environment provisioning.
* Skilled in **CI/CD implementation**, **version control (Git)**, and **containerization** using **Docker** and **Kubernetes** for efficient deployment orchestration.
* Strong background in **Linux administration**, **shell scripting**, and **Python automation** (including AWS automation using Boto3 and Lambda functions)
* Adept at collaborating with cross-functional teams, optimizing DevOps workflows, and driving **infrastructure modernization and reliability** initiatives.
* Recognized for strong analytical, problem-solving, and communication skills with a focus on delivery excellence

**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.

**HCL Technologies (Infrastructure Service Division), Noida as Technical Specialist Oct’14-Dec'16 Client: Saint Gobain & ExxonMobil Role:**

* Installed and upgraded NetBackup clusters (v7.6+) and OpsCenter servers, ensuring stable, optimized backup environments.
* Performed firmware upgrades for IBM tape drives and Quantum libraries; configured Vault setups, Storage Lifecycle Policies (SLP), and IBM ProtecTIER VTL on LPAR systems to enhance performance and data management.
* Automated email alerts, scheduled reports, and vault notifications via OpsCenter, streamlining monitoring and reporting.
* Managed 18,000+ CommVault clients across File System, SQL, Oracle, NAS, Exchange, and Lotus Notes backups; conducted monthly DR tests to validate restoration integrity and system readiness.

**ITAccess Pte Ltd.,Singapore as Implementation Engineer Aug’13-jul’14**

**Role:**

* Led CommVault backup infrastructure implementations for key clients including JTC, PwC, Popular, Ministry of Law, and Manitowoc, delivering end-to-end backup solutions.
* Deployed and upgraded CommVault Simpana (v9 → v10), configured disk/tape storage policies, and managed DR setups to ensure high data availability and resilience.
* Implemented backups for SAP, Oracle, SharePoint, Active Directory, Exchange, VMware, and Hyper-V environments, aligning with client requirements.
* Managed UAT, documentation, project delivery, and hardware/network readiness; installed and maintained EMC VNX storage systems with RAID, LUNs, and associated tools on UNIX/Windows hosts

**Softenger Singapore PTE Ltd., Singapore as Netbackup Administrator Aug’12-Jun’13 Client: Credit Suisse, Singapore**

**Role**:

* Managed and supported 26 NetBackup master servers across US, Europe, and APAC data centers, ensuring system health, performance, and uptime; performed catalog recovery and led backup client migrations at DR sites.
* Configured and maintained robots, SCSI/FC tape drives, and optimized backup performance using multiplexing, multi-streaming, and scheduling; supported database and BCV backups via automated Control-M jobs.
* Automated daily operations and media reporting using Bash and Perl scripts, conducted Root Cause Analysis (RCA) for complex failures, and coordinated with vendors to resolve hardware and tape infrastructure issues.

**IBM India (P) Ltd., Bangalore as Technical Services Specialist Feb’12-Jul’12**

**Client: Telstra, Bangalore** Role:

* Administered and optimized NetBackup master servers across multiple data centers, ensuring high performance, availability, and compliance.
* Configured and supported Oracle and SQL database backups using NetBackup snapshot clients; resolved ACSLS tape library, VTL, and database backup issues.
* Installed and maintained NetBackup agents on Solaris clients, automated performance reports using Veritas Backup Reporter, and collaborated with vendors and cross-functional teams for issue resolution.

**HCL Technologies Ltd., Noida as Senior Analyst Jul’09 – Feb‘12**

**Client: Xerox Ltd., Noida** Role:

* Managed end-to-end NetBackup infrastructure — including installation, upgrades, and maintenance of Master, Media, and Client Servers across UNIX and Windows platforms
* Configured and optimized diverse backup solutions (RMAN, BCV, NDMP) using VERITAS NetBackup and CA ArcServe, ensuring reliable backup and restore operations.
* Administered tape drives, storage units, and disk pools; implemented snapshot-based backups for Solaris Zones and executed Disaster Recovery (DR) procedures.
* Automated backup reporting with UNIX shell scripts, performed Root Cause Analysis (RCA) for failures, and collaborated with global teams and vendors to enhance system reliability and performance

**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