
BRIJ MOHAN SINGH

AWS Cloud Engineer

Noida, India 201301 ♦ +91 8871205822/7974972809 ♦ Brijjadon7566@gmail.com

PROFESSIONAL SUMMARY

AWS Cloud Engineer and System Administrator with over **9.5 years** of experience in **designing, automating, and optimizing cloud infrastructure**. Proficient in a wide range of **AWS services** (EC2, VPC, IAM, S3, RDS, Lambda, ECS, and EKS) **DevOps tools** (Docker, Kubernetes, Terraform). Expertise in **CI/CD pipeline development, Linux administration**, and security best practices. Passionate about enhancing **system reliability, streamlining deployments**, and driving **DevOps excellence**. Seeking to leverage my expertise in **cloud solutions** and DevOps best practices to **deliver scalable, efficient, and secure infrastructure**.

TECHNICAL SKILLS

- **Cloud Computing: AWS** (EC2, VPC, S3, RDS, Lambda, ELB, EBS, EFS, Route 53)
- **DevOps & CI/CD: Jenkins, GitHub Actions, GitLab CI/CD, AWS CodePipeline**
- **Version Control Systems: Git, GitHub, Bitbucket**; proficient in managing Git-based source control systems, including repository configuration and management.
- **Infrastructure as Code (IaC): Terraform, AWS CloudFormation**
- **Containerization & Orchestration: Docker, Kubernetes**
- **Monitoring & Logging: AWS Cloudwatch, Grafana, Prometheus.**
- **Security & Compliance: IAM, KMS, WAF, Security Groups, Role-Based Access Control (RBAC)**
- **Database Management: MySQL, MSSQL, IIS**
- **Scripting & Automation: Bash, PowerShell, Python**

WORK EXPERIENCE

AWS Cloud Engineer, Oct /2022 – Current
Chetu Inc. – Noida

- Architected, deployed, and managed scalable **AWS cloud infrastructure**, ensuring high availability and security across services such as **EC2, S3, VPC, Route 53, ELB, IAM**, and **RDS**.
- Designed and implemented **serverless architectures** using **AWS Lambda, API Gateway**, and **DynamoDB**, automating workflows to enhance operational efficiency.
- Developed and optimized **CI/CD pipelines** using **Jenkins, Git, and Docker, Kubernetes**, and **Terraform**, significantly improving deployment speed and system reliability.
- Expert in **CI/CD pipeline implementation** across Development, **QA, UAT**, and **Performance Testing**, ensuring efficient and seamless **software delivery**.
- Experience with version control systems (**Git, GitHub, Bitbucket**), managing Git-based source control systems, and **configuring repositories** for **optimal performance**.
- Automated infrastructure provisioning and configuration management with **Terraform, Ansible**, and **AWS CloudFormation**, ensuring consistency and reducing manual effort.
- Configured and maintained web servers (**Apache Tomcat, Nginx, IIS**) to optimize performance and load balancing.

- Implemented **security best practices**, including **IAM policies**, **encryption (KMS)**, and **AWS GuardDuty**, ensuring compliance with industry regulations.
- Designed proactive monitoring solutions using **Amazon Cloudwatch**, **Prometheus**, and **Grafana**, improving incident response times and performance visibility.
- Optimized cloud costs through **AWS Auto Scaling**, **Reserved Instances**, and **Spot Instances**, ensuring efficient budget allocation.
- Developed automation scripts in **Bash**, **PowerShell**, and **Python** to enhance operational efficiency and reduce manual intervention.
- Created and managed **Amazon Machine Images (AMIs)** and **EC2 snapshots**, enabling rapid disaster recovery and efficient scaling of instances.
- Provided cross-functional support to development teams working with **PHP**, **Python**, **Java**, **Angular**, and **Node.js** applications.
- Optimized SQL-based applications **through indexing, query optimization, backup/restore processes, and database tuning**.
- **Developed automation tools** for system health checks, deployment validation, and daily reporting—reducing manual intervention by 60%.

System Administrator, 08/2020 – 09/2022

Chetu Inc. – Noida

- **Designed, implemented, and configured Microsoft Windows Server 2008, 2012 R2, and 2016**, ensuring optimal system performance and reliability.
- **Extensive experience in managing Windows Active Directory, DNS, and DHCP**, facilitating seamless network operations and user management.
- **Proficient in user administration**, including account creation, role assignment, access control, and privilege management to maintain secure system operations.
- **Skilled in maintaining interoperability between Linux and Windows environments**, ensuring effective system integration and operations.
- **Implemented robust backup and restoration strategies**, conducting regular security patching and health checks to enhance system security and reliability.

System Administrator, 11/2015 - 04/2020

Benchtech Software Pvt Ltd – Bengaluru, India

- **Installed software, set up workstations, and mapped network printers** to ensure seamless connectivity.
- **Troubleshoot** issues with **network printers**, internet connectivity, and **MS Office** applications.
- Provided **Help Desk** and **Desktop support** for **Windows** and **Mac OS**, enhancing user experience and efficiency.
- **Packaged and deployed applications** using **SCCM**, while managing **data backups** and **Active Directory** tasks

EDUCATION

Bachelor in Computer Applications, MCRVP, Bhopal M.P

HSSC, K. V No 1 Shakti Nagar, Gwalior