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# BRIJ MOHAN SINGH

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## AWS Cloud Engineer

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### PROFESSIONAL SUMMARY

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**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**.

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### TECHNICAL SKILLS

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- **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

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### WORK EXPERIENCE

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**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

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EDUCATION

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**Bachelor in Computer Applications**, MCRVP, Bhopal M.P  
HSSC, K. V No 1 Shakti Nagar, Gwalior