



## SHUBHAM DHOKA

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### Cloud DevOps Engineer | B.E in Computer Science Engineering (Pune University)

#### Professional Summary

##### Core Competencies

Linux Administration.

Linux - RHCSA

Linux Shell Scripting.

AWS Solution Architect.

CI / CD : Jenkins.

Containerization:

Kubernetes & Docker

Basics of VMware tech.

**Cloud Operations Devops Engineer** with 7+ years of experience in designing, deploying, and managing cloud infrastructure and services on AWS.

4 years of hands-on expertise in **Docker** and **Kubernetes (K8s)** for container orchestration, microservices architecture, and scalable infrastructure solutions. Proven track record in automating deployments, optimizing cloud costs, and ensuring secure and highly available systems. Strong background in CI/CD pipelines, infrastructure as code (IaC), and production-grade containerized environments.

**AWS Certified Solutions Architect** - with **7+ years** of experience designing and implementing highly available, fault-tolerant, and scalable solutions on AWS. Proficient in core **AWS services, including EC2, S3, VPC, and RDS, CloudFormation and AWS Terraform** with a strong focus on cost optimization and security best practices.

#### Education & Credentials

- **B.E. in Computer Science and Engineering** from G.H.Raisoni, COE, A'nagar, 2017 ( PUNE UNIVERSITY)
- **Diploma in Computer Engineering** from Adsul Technical College, MSBTE, 2014.

#### Experience

**R & D CLOUD OPERATION SPECIALIST | DASSAULT SYSTEMS , PUNE**

**Sep 2020-Present**

*An Open source software firm with ~20000 employees, ~ € 450 Cr in revenues, and clients/partners like Tesla, Amazon, Microsoft, Google, IBM*

#### Cloud DevOps Engineer:

##### Key Result Areas:

- Orchestrated the deployment of 3D platform services on OPC (On-Premises), overseeing server management and lifecycle actions such as creation, modification, and deletion.
- Strong problem-solving skills and ability to troubleshoot complex issues in cloud-based systems.
- Proficiency in cloud infrastructure management, provisioning, and automation using tools like Terraform, or CloudFormation.
- **Design and implement cloud-based solutions on the AWS platform, ensuring adherence to best practices, security standards, and scalable architecture frameworks.**
- **Architect, manage, and optimize cloud infrastructure, including EC2 instances, VPCs, S3 buckets, and other AWS services.**
- **Automated compliance audits using AWS Config, reducing manual reviews by 50% and enhancing security.**
- **Built CI/CD pipeline using AWS services like CodeCommit as source code repository, CodeBuild to compile and build the code and produce artifacts, CodeDeploy to automate the deployment of applications to EC2 instances and finally CodePipeline for Pipeline Orchestration**
- Working on the Upgrades of service Live, Cold , Rolling & the Backup-Restore and Scaling operation's.
- Streamlined deployment processes by implementing **CI/CD pipelines** using Jenkins and Kubernetes, reducing deployment time by 43%
- Orchestrated a cloud operations team in managing **20+ Kubernetes** clusters, delivering top-tier SAAS solutions with 99.9% uptime.
- Revolutionized the incident response strategy, incorporating Kubernetes operators which reduced mean time to

recovery (MTTR) by 70%

- Optimized container orchestration by configuring Kubernetes clusters with auto-scaling capabilities, improving resource utilization by 25%
- Monitored Prometheus and Grafana for system observability, decreasing incident response time by 40%
- Implemented **Docker and Kubernetes for containerization**, reducing server provisioning time from 1 hours to 15 min.
- Hands-on experience to build and handle VM's, Containers utilizing tools like Kubernetes, Docker and Helm Charts.
- Responsible to deliver a quality and Security assessment of services (AWS/k8s) for 3Dx Platform.
- Check and perform all mandatory operations like ScaleIn/ScaleOut/failover/Backup/restore on AWS services to meet required infra.

## CLOUD ENGINEER | BLAZECLAN TECH PVT

2017-2020

### Key Result Areas:

- Created custom IAM policies, Roles, and user management for delegated users within AWS specified region.
- Configured and provisioned **micro-services and instances on both Azure and AWS** Cloud Platform using Azure Container Instance and AWS ECS.
- Created the JSON template for the **CloudFormation stack and deploying the EC2** instance and other AWS services using the CloudFormation stack.
- Collaborate with development, security, and operations teams to migrate applications to the cloud, optimize performance, and implement security policies across the infrastructure, leveraging tools like **AWS IAM, AWS Shield, and GuardDuty**.
- Implement and enforce cost monitoring and optimization solutions using AWS services like AWS Cost Explorer, Trusted Advisor, and third-party tools to ensure cost-effective resource usage.
- Designed and implemented disaster recovery plans, resulting in a 90% reduction in downtime during a major system outage.
- Developed and maintained cloud security best practices, resulting in zero security breaches over a two-year period and a 15% increase in customer trust.
- Uploading and working on S3 Storage Configuring RDS (MySQL, DynamoDB, RDBMS) in AWS.
- Creation of CloudFormation Template and Stack Using Stack creation of EC2 instance, S3, VPC, Subnets..etc(JSON)
- Configuring CloudWatch logs in CloudTrail's and working on Loadbalancers ( ALB & NLB)
- Creating VPC in **AWS and Subnets, security groups, Network ACL's, internet gateways** to ensure secure zone for Organization in AWS public cloud.
- Deployed Azure Iaas VM's and cloud services into secure vnets and subnets
- Designed and implemented Azure AD Application for cloud directory in Azure AD
- Utilized NSG's for layer 4 Access control list (ACL's) for incoming and outgoing packets
- Disaster recovery and backup strategy using Azure BLOB storage
- Developed serverless applications using AWS Lambda, enhancing application scalability and performance.

### Technical Skills :

- Working on the **VPC peering** on cross account in AWS cloud.
- Understanding of serverless architecture (AWS Lambda ) and microservices
- Disaster recovery planning with **Cloud-based data storage** and retrieval.
- Proficient in AWS services like **EC2, S3, VPC, EBS, ELB, IAM, Cloud Front, Route53, SNS, Glacier, Cloud watch**.
- Familiarity with common services such as Identity and Access Management, Directory Services, Virtual Desktops, Networking, Compute, Storage, etc.
- Experience **migrating workloads from On-premises to Public Cloud Providers** (AWS, Azure)
- Understanding of enterprise **class SAN, NAS, and backup technologies**
- Worked on pipeline pre-post triggering the task in **Jenkins through cronjob, trigger URL**.
- Experience with containerization and clustering technologies like **Docker and Kubernetes**.
- Worked on creation of **customized Docker container images, maintaining pods and managing Kubernetes for automating deployment, tagged and pushed** the images to the Docker hub.

## Certifications:

- **AWS solution Architect Certified.**
- **Linux RHCSA certified ( RHEL 7).**
- **VMware certified Tech. Associate. (VCTA)**

## IT Skills

- Operating system: Linux, Windows.
- **AWS: EC2, S3, EBS, ELB, IAM,AWS Lambda,RDS,MySQL,DynamoDB.**
- Cloud Platforms: AWS, Azure.
- DevOps Tools: **Docker, Kubernetes, Jenkins, GitLab**
- Infrastructure as Code (IaC) & Configuration Management: **Terraform, CloudFormation stack, Ansible.**
- Networking & Security: **VPC, VPN, Direct Connect, AWS Shield, AWS Guard duty, AWS DataDog, AWS Config.**
- Monitoring tools: **Grafana, Nagios.**
- Programming language: **Shell.**
- Linux Administration. ( RHEL7)
- Linux - **RHCSA.**
- Linux **Shell Scripting.**
- Containerization: **Kubernetes, Docker.**
- High Availability and Disaster Recovery
- Server-less Computing
- Data Storage and Management
- **Monitoring and Logging.**

## Personal Details

- Date of Birth: 21-04-1994.
- Address: 301, Prabhavati Appt, Balewadi, Pune, Maharashtra - 411045
- Languages Known: English, Hindi, Marathi, Marwari.