HARISH AMBADAS DANDGAL

PROFESSIONAL SUMMARY

As a seasoned AWS DevOps Engineer, I bring 8.3+ years of experience in the Cloud Domain specializing in AWS Administration and DevOps. My expertise includes orchestrating cloud infrastructure using a range of AWS services, implementing DevOps best practices, and optimizing cloud-based applications. I am adept at designing and deploying scalable solutions with a focus on security and compliance. My goal is to leverage my technical prowess in a challenging environment while contributing to team success.

SKILLS

Athena · Terraform ·

AWS CDK with TypeScript ·

Amazon Linux · RHEL · Shell Scripting ·

Python Scripting · AWS EC2 · AWS EBS ·

AWS Systems Manager · AWS VPC ·

AWS IAM · AWS S3 · AWS RDS ·

DynamoDB ·

AWS CloudTrail Management ·

AWS CloudWatch · AWS Athena ·

AWS Lambda · AWS ECS · EKS · SNS ·

SSO · AWS Parameter Store ·

AWS Secrets Manager ·

AWS Certificate Manager ·

AWS Cognito · AWS AppSync ·

AWS Backup · KMS ·

AWS CloudFormation · AWS CICD ·

Jenkins · GitHub Actions · GitHub ·

AWS CodeCommit · Docker ·

Kubernetes · Jira · SNOW ·

CA Service Desk

TRAINING / COURSES

ITIL Foundation Certified

Microsoft SQL Basics

AWS solution architect – associate

AWS DevOps Engineer

📞 +91-9175648849　　@ dandgalharish2012@gmail.com　　📍 Solapur, Maharashtra

EXPERIENCE

AWS DevOps Engineer
Capgemini Technology Services India Ltd

03/2024 - Present

Mumbai, India

- **Led the successful onboarding of the CTR application during an onsite visit to Germany**, collaborating with the AWS team to gain in-depth knowledge transfer on architecture and services.
- **Led a Proof of Concept to automate the import of SSL certificates**, improving security workflows and streamlining SSL/TLS certificate management, including provisioning, renewing, and deploying certificates for secure communication across AWS services.
- **Implemented delete protection mechanisms** for key project resources, enhancing infrastructure security.
- **Utilized AWS CDK in TypeScript to define and provision infrastructure components**, ensuring consistent and repeatable deployments of AWS resources.
- **Integrated AWS CDK with CI/CD pipelines** to automate the deployment of infrastructure changes, promoting continuous delivery and operational efficiency.
- **Wrote comprehensive unit test cases** to ensure the reliability and correctness of CDK-deployed infrastructure.
- Managed secure configuration data and sensitive information by **leveraging Parameter Store for environment variables** and **secrets** across multiple AWS services.
- **Integrated Cognito for secure user authentication and authorization**
- Implemented **various integration tests to ensure** expected working and results in APIs.
- Performed **cost optimization** for multi-environment to reduce cost by $100 monthly.
- **Utilized KMS to secure sensitive data** through encryption and key management, ensuring compliance with stringent security standards.
- **Managed scalable object storage solutions with S3** for secure data storage, retrieval, and lifecycle management, supporting various application workloads.
- **Designed and deployed AWS Lambda functions** using AWS CDK with TypeScript, triggered at specific intervals via Amazon CloudWatch Events (EventBridge), automating periodic tasks and workflows.
- Implemented error logging for more than 70 **custom error codes** for AppSync APIs and built a cloudwatch dashboard to list down the errors over time.
- Upgraded python library to improve the performance of lambda function used in validation service.

Bachelor of Engineering in Electronics & Telecommunication

Solapur University

06/2012 - 06/2016   Solapur

Higher Secondary Certificate

Maharashtra Board

06/2010 - 06/2012   Maharashtra

Secondary School Certificate

Maharashtra Board

06/2008 - 06/2010   Maharashtra

LANGUAGES

English	Native	●●●●●
Hindi	Native	●●●●●
Marathi	Native	●●●●●

EXPERIENCE

AWS DevOps Engineer
10/2022 - 01/2024

ESK Technologies Pvt. Ltd   Hyderabad, India

- Provisioned application and networking resources using Terraform
- Employed **Python scripting** with Boto3 to automate EBS snapshot creation and EC2 instance reboots, streamlining maintenance tasks and to list AWS infrastructure details, aiding in resource inventory management.
- Developed Python scripts using Boto3 to **automate the creation and deletion of RDS snapshots**, streamlining backup processes and ensuring data integrity.
- Set up AWS Lambda functions triggered by GitHub Actions to **automate the restoration of RDS snapshots**, facilitating rapid recovery during incidents.
- Configured **Amazon CloudWatch to monitor RDS performance metrics** and set up alarms for critical thresholds, enabling proactive database management.
- **Built and optimized Docker images** for microservices, utilizing multi-stage builds and minimal base images to enhance performance and reduce vulnerabilities.
- **Developed Docker Compose files** to define and run multi-container applications, streamlining local development and testing environments.
- **Managed Docker containers** in AWS ECS, overseeing lifecycle operations such as creation, scaling, and deletion to ensure efficient resource utilization.
- **Configured Kubernetes resources**, including Pods, Deployments, ReplicaSets, Services, and Ingress controllers, to support microservices architectures.
- **Managed Kubernetes namespaces** to organize and isolate resources, enhancing security and resource allocation.
- **Utilized kubectl** for cluster management tasks, including scaling applications, rolling updates, and troubleshooting.
- Built and deployed various microservices on **Amazon EKS**, enhancing application modularity and scalability.

Cloud Operations Engineer
09/2019 - 10/2022

HSBC SOFTWARE DEVELOPMENT (INDIA) PVT. LTD   Pune, India

- **Set up CloudWatch Alarms and Dashboards** to monitor application metrics and log data, enabling proactive issue detection.
- **Implemented custom metrics** using CloudWatch agents to monitor application logs, ensuring application health and performance.
- **Enabled VPC Flow Logs** and analyzed network traffic using Athena, enhancing visibility into network performance and security.
- **Queried CloudTrail logs** with Athena to extract account activity insights, aiding in compliance and security audits.
- **Configured Auto Scaling Groups** and **Load Balancers** to provide high availability and fault tolerance for EC2 instances.
- Managed over 200 EC2 instances across multiple regions for seamless global operations.
- **Implemented Bastion Hosts** in public subnets to facilitate secure SSH access to EC2 instances in private subnets.
- **Configured Data Lifecycle Manager Policies** for EBS snapshots, automating backup processes and ensuring data durability.
- **Developed shell scripts** to automate file cleanup and management tasks on EBS volumes, optimizing storage utilization.
- **Set up EventBridge** and **SNS** for custom alert notifications, enabling real-time response to system events.

Cloud Operations Engineer
02/2017 - 08/2019

Morningstar, Inc   Mumbai, India

- Developed **shell scripts** utilizing AWS CLI to automate the auditing of AWS resources, including EC2 instances, S3 buckets, IAM users, and Lambda functions, enhancing operational efficiency.
- Configured Amazon **CloudWatch** to monitor EC2 instances, setting up alarms for CPU utilization, disk I/O, and network traffic.
- Designed and implemented S3 bucket structures with **versioning** and **lifecycle policies** for efficient data management.
- Managed IAM users, groups, and roles, **enforcing least privilege access controls** and Integrated Multi-Factor Authentication (**MFA**) for enhanced security measures.
- Implemented centralized logging solutions using **CloudWatch Logs** and **CloudTrail** for audit and troubleshooting purposes.
- Implemented security best practices, including the use of **security groups**, **NACLs**, and VPC configurations to secure AWS environments.