Akash Chourange

Passionate IT Professional with two years and above of experience in cloud architecture and devops. A proven track record of success leading complex projects while managing cross-functional resources to drive efficiency in enterprise technology operations.

Certifications:

- **AWS Certified Solutions Architect - Associate** (Validation Number QJE7EK42FMQ1109S)
- **AWS Certified Cloud Pratctitioner**

Experience:

Company: Applied Cloud Computing Pvt. Ltd. (Pune)
Profile: Devops Engineer and Cloud Engineer
Joining Date: 2017 to Present

Career Highlights:

- As a **Solutions Architect** helped companies understand how to transform their IT infrastructure, operations & applications to make the most of the scalability, innovation & cost efficiency of the AWS platform.
- Demonstrated mastery in facilitating evaluation of **AWS services** VPC, EC2, RDS, IAM, S3, Cloudwatch, CloudFormation, Route53, ECS, DMS, ECR, Load Balancers, Autoscaling, Lambda, Trusted Advisor, Cloudfront, SSM, SNS, DynamoDB, EMR, EKS, ECS etc.
- **Served on-site for a major financial services organization** to optimize their cloud infrastructure, provide training and cloud awareness, perform upcoming migrations with AWS best practices.
- Hands on with infrastructure as a code using **terraform and cloudformation.**
- OS level **troubleshooting, debuggin**g and modification to solve production critical issues. Automate regular tasks using Bash Scripting and Crontab.
- Design stateful and stateless architecture for new application with **Highly available and redundant infrastructure.** Designing Vertically and Horizontally scalable architecture, deploy and manage the same.
- Designing **Micro-service Architecture** using AWS services, **Docker** etc.
- Good knowledge in establishing **best practices** and guidelines for selecting, developing, and implementing information systems within enterprise.
- **CI/CD** for continuous deployment of Docker images in container using Jenkins and AWS Developer tools.

Major Projects:

ECS Containerization Project :

- Designing a highly scalable, Highly available and redentant architecture to deploy containerized applications based on JAVA and Node.js using AWS managed services. (AWS ECS, ECR, Autoscaling, Load Balancers, RDS, Redis, Elastic Search, EC2, S3, Route 53, CloudWatch, Lambda, Etc.
- Planning for deployment of architecture, building team, setting up process and final execution.
- Deploy Databases and containers and setup secure connectivity between applications.
- Hardening of OS and AWS console following the AWS and CIS best practices.
- Rest encryption of every storage using custom KMS keys.
- Setting up Secure Site-to-Site tunnel between client and AWS VPC.
- Building a CI/CD pipeline to automate the docker deployment process.
- Use SSM to automate patch management on cluster of servers.
- Deployment strategy for scheduled containers and manual executable containers
- Static content delivery from s3 using CDN.

Deployment EKS and EMR on AWS

- Create EKS cluster and deploy the application over there.
- Create the EMR cluster and configured the EMR components configuration.
- Stored Metadata outside the EMR cluster
- Add EFS files system to EKS nodes. .

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Mob: 8390576192

Skills:

Devops tools, Docker, Shell Scripting, CloudFormation, EKS, ECS, docker swarm, CI/CD, Github, bitbucket, jenkins, etc.. AWS managed services, Web-Application installation, configuration, migration, and deployment automation. Infrastructure as a code. Application architecture designing, modification and implementation. DNS management, logs management. Stateful and stateless architecture with HA and redundant architecture.

Roles Performed:

Devops engineer, Cloud architect, Team lead, containerization and mentoring head, escalation manager, Project manager, Trainer and mentor.

Strengths:

Flexibility and Adaptability, Learning agility, Leadership ,Responsible,Positive attitude.

Hobbies:

Trekking , Cooking, Sketching, Collecting Music

Languages Known:

English, Hindi and Marathi

Work on data lake project in Finance sector:
- Work on DMS service : use for migrating On-Prem oracle data to AWS S3 bucket using DMS all functionality
- Work on Athena and Glue service.
- Setup the EMR cluster with all require configuration.
- Used CloudFormation template for creating all infra.

AWS account optimization projects:

- Deliver enhancements and solutions for the existing cloud infrastructure that drive customer satisfaction and meet with business goals.
- Setting up multi account architecture for major organization and multi tenancy operation.
- Setup monitoring and optimization of production application by providing root cause and remedy for current issues.
- Setup process for organizational level centralized control and change management.

Ecommerce Website Deployment and migration:
- Deploying server and installing LAMP stack and git to host the Magento application for E-commerce websites.
- Configuring Apache and databases to meet the requirements of application.
- Automating the Code deployment from Github using the Jenkins Jobs.
- Server monitoring and backup using Cloudwatch and Lambda.

Wordpress and Drupal website migration:
- Launch server, database, install application, setup database and connectivity, migrate code and database, configure the web server, testing the website and configuring the DNS to Go-Live.

Education:

Bachelor of Computer engineering

2013 - 2016

Completed with first class from Dr D Y Patil SOE Pune

Diploma in Computer Engineering

2011- 2013

Completed with first class from Dr. Panjabrao Deshmukh Polytechnic Amaravti

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Declaration: I hereby declared that the above-mentioned information is correct up to my knowledge and belief.

Akash Gangadhar Chourange