Kavya Sri Akkala

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Career Objective:

Looking for a challenging role in a reputable organization to utilize my cloud computing, database and management skills for the growth of the organization as well as to enhance my knowledge about new and emerging trends in the Cloud IT sector.

Qualification:

Completed **B. Tech** from Mother Theresa College of Engineering and Technology, Karimnagar, India in 2016.

Professional Summary:

- Having overall 3.2 years of hands-on working experience on Cloud Environment like AWS services.
- Experience in managing, supporting server infrastructures along with monitoring operations.
- Knowledge in ticketing tool like JIRA. Know how to change the status of tickets, checking them up to date without breaching SLA.
- Ability to diagnose server alerts, events or issues.
- Experience on CloudFormation.
- Having knowledge in database like MySQL, DocumentDB and MongoDB.
- Worked for the real-time projects, troubleshooting the errors.
- Knowledge and hands-on experience on monitoring tools like NewRelic, CloudWatch (AWS) and ElasticSearch (AWS).
- Having knowledge on Account billing as well. Worked for every month billing report for all the customers.
- Good oral and written communication skills and ability to address the conflicts.
- Ability to handle multiple concurrent tasks and projects with minimal supervision.
- Ability to work on flexible schedule under 24*7 roster plans and track the tickets against SLAs.

- Configuring OpenVPN, SSL-Lets Encrypt, Patching for servers.
- Gone through Cyber Security, Webroot, Malware in Webroot and NewRelic training sessions.
- Knowledge on proxy behind NGINX and Apache.

Technical Skills:

Technologies   : AWS
Monitoring Tools   : NewRelic, CloudWatch, ElasticSearch
Ticketing   : JIRA
Databases   : MySQLServer, MongoDB Operating
Systems   : Ubuntu, Amazon Linux & Windows
Version Control   : Git, BitBucket

Professional Experience:

Working as **Junior DevOps Engineer** in **Techm**, Hyderabad till date.

Projects   :   Catalog, Delivery Solutions, Skubana.
Client   :   Delivery Solutions
Role   :   Junior DevOps Engineer
Duration   :   Nov 9th 2018 – Feb 2019

Project 1: Catalog

Team size: 6

Duration: Nov 9th 2018 – Feb 10th 2019

Roles & Responsibilities:

- Having knowledge in writing the CFT templates for the services with YAML
- Used Service Catalog and implemented all the products.
- Wrote the CloudFormation templates like Network, Jenkins, Standalone EC2, ElasticSearch, AWS Inspector, ElasticBeanStalk with RubyonRails, Java, Python applications with four types of loggings like CloudWatch, ElasticSearch, Datadog and NewRelic.
- Enabled monitoring using Cloud Formation for multiple products like Standalone Servers, Jenkins product, OpenVPN product.
- Added the redirection file in .eb extension so that URL will redirect to HTTPS.
- Added the inspector agent installation in .eb extension file so that inspector agent is installed directly in the appropriate product.
- Worked on Code Commit, Code Build, Code Deploy and Code Pipeline CFT templates.
- Wrote template on Code Build it can take source code from Code Commit, Github and BitBucket.
- Pushing the codes to remote repository using commands.
- Knowledge on uploading products to service catalog.

Project 2: Delivery Solutions

Team Size: 2

Duration: March 1st 2019 – September 5th 2021

Description:
Delivery Solutions enables retailers offer to their customers a same day delivery experience using their own branded e-commerce assets. Current Customers include Total Wine, Sally Beauty, Giant Eagle, Wakefern, etc.
- Created infrastructure with AWS multi-account architecture for management, development and production.
- Managed to launch multiple services on ECS-EC2. Used multiple AWS services and third party solutions to make services secure and compliant.
- Most of the time, I actively looking on launching infrastructure, Security status and deployments for new changes in multiple environments.

Roles & Responsibilities:
- Actively involved in developing all the Delivery Solutions environments like production, sandbox, development and QA.
- Enabled NewRelic monitoring for production and sandbox environments and Created custom metrics like CPU, Memory and Disk space utilizations in CloudWatch for Dev and QA also enable ElastiSearch logging for Dev and QA environments.
- Familiar with configuring Sonarqube and SonarCloud in Jenkins server to test a code.
- Expertise in Implementing Continuous Integration tool JENKINS (Free Style and Pipeline)
- Familiar to deploy into ECS-EC2 by using Jenkins a freestyle and Pipeline projects.
- Clear understanding of groups, roles, policies, access keys and use of MFA for protecting and management accounts.
- Able to build Application with End-to-End Encryption.
- (Route53-->ELB-->Beanstalk ec2 instances-->RDS).
- Worked on SSM patching alerts if any patching failed for servers.
- Worked on Security Hub standards remediation for the client account.
- Hands on Experience on Querying alb logs through Athena and also checking logs in cloud watch insights
- Hands on experience on updating ECS task definition files in Jenkins and enabled log rotate on all environments
- Knowledge on updating passwords in ECS environment variables through Secret manager in SSM
- Had setup the session manager of all servers in four environments.
- Experience on Enabling lifecycle rules for ECR repos and scan on ECR repos and also have knowledge on enabling discard old builds option for all Jobs.
- Created alarms in NewRelic account and integrated multiple AWS accounts to

NewRelic and also integrated slack channel and Opsgenie to alarms.
- Worked on enabling Cloud trail, Security Hub multi-account and AWS Config, Inspector and WAF in the accounts.
- Actively prepared Monthly billing report for three accounts in Delivery Solutions.
- Actively prepared Run books for troubleshooting the issues.
- Installed NewRelic infra agent on sandbox and production environments.
- Knowledge on NewRelic APM and experience on creating dashboard in NewRelic insights.

Project 3: Skubana

Team size: 2

Duration: September 25th 2021 – Till Date

Description: Currently working on the internal project called Skubana. Worked on the infrastructure set up for the project.

Roles & Responsibilities:
- Worked on setting up ECS – Fargate Clusters, Services, Task Definitions for hosting the application.
- Set up CI/CD for QA and Dev Environments.
- Worked on creating PostgreSQL Database.
- Set up application's infra monitoring, logging and alerting in NewRelic.
- Configured Pritunl VPN for accessing Private endpoints.
- Set up Redis
- Worked on SSM – Parameter store and Secrets Manager to store the credentials.
- Also, had got chance to work on security services like Security Hub, AWS Config, CloudTrail, WAF, GuardDuty.
- Worked on WAR (Well-Architected Review) with FTR Lens.
- Setup patching for Jenkins and Pritunl VPN.
- Configured AWS Inspector
- Prepared documentations on the infra process setup in GitHub Wiki.
- Also, designed infrastructure diagrams using CloudCraft.

Declaration:

I do hereby declare that the information furnished above is true to the best of my knowledge and belief.

Date: **Signature:**
Place: KavyaSri Akkala