

VIKAS KUMAR VEMIREDDY

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Career Objective:

Cloud & DevOps Engineer with experience around 4 years of understanding of high availability concepts in IT industry as AWS/DevOps Engineer in software configuration practices, Build Release Management.

Professional Summary:

- ✚ Around 4 years of IT experience as Cloud & DevOps Engineer activities and automating the process of build and deployment activities for web-based software applications.
- ✚ Comprehensive knowledge of working in various cloud computing technologies Amazon Web Services AWS, Azure.
- ✚ Experience working with Amazon Web Services (AWS) –Ec2, lambda, APIs, Route 53, cloud formation, RDS, IAM, Amazon Elastic search, VPC, Security Groups, AWS CLI, ECS, EKS and Mongo DB.
- ✚ Working on AWS provisioning EC2 Infrastructure, VPC setup, Auto Scaling for availability of EC2 Instances and availability of applications and deploying applications in Elastic load balance.
- ✚ Create and maintain highly scalable and fault tolerant multi-tier AWS and Azure environments spanning across multiple availability zones using Terraform and Cloud Formation.
- ✚ Proficient in Terraform to provision AWS Infrastructure and Proficient in Terraform modules and templates.
- ✚ Experience in Unix Shell Scripting for batch processing and processing of text files.
- ✚ . Expertise in DevOps Tools: Ansible, Docker, Kubernetes, and CI/CD build pipelines.
- ✚ Responsible for implementing monitoring solutions in Ansible, Terraform, Docker, and Jenkins
- ✚ Experience on Migrations of IaaS, PaaS and SaaS instances between public and private clouds
- ✚ Good knowledge on Continuous Delivery and Continuous deployments.
- ✚ Experience on Build and Deployment process for Java, Angular and .net core applications.
- ✚ Working experience in Windows and Linux/Unix environment including shell scripting, version control tools and Build tools like – Maven, npm and MS Build.
- ✚ Efficiently automated several build & deployment tasks and streamlining the process
- ✚ Configured Jenkins as continuous integration tool and automated builds and deployments to various environments.
- ✚ Well exposed in build and release systems for web-based software systems.
- ✚ Having good hands on exposure to Cloud services like Compute, Network, Storage, Databases, and Monitoring in Azure Cloud.
- ✚ Expertise in creating DevOps strategy in a mix environment of Linux (RHEL, CENTOS and UBUNTU).
- ✚ Experience in deploying EAR, JAR, and WAR files in Tomcat, IBM WAS and configure with different OS like Linux/Windows environment.

- ✚ Working experience with following Azure services: VMs, Virtual Networks, Traffic Manager, Azure AD, Cloud Services, Web Apps, Load Balancers, AKS, ACR and Terraform (IAC).
- ✚ Worked on standard python boto3 for AWS.
- ✚ Build of new environments like Dev, Test, Stage and Prod with Terraform and also integrated with Azure DevOps.
- ✚ And also hands on Experienced in Microsoft Azure Cloud and its features which includes VM Classic and VMARM, Cloud Services, Site to Site VPN, Azure MYSQL, NSG, Vault backup, High availability, Blob and Container storage.
- ✚ Extensive Experience in Monitoring tools such as Nagios, Cloud Watch and Azure metrics.
- ✚ Configured the different Load Balancers with Auto scaling and also updated the scale of scale in and scale out.
- ✚ Experience in configuring the storage account with blob storage, containers and File shares.
- ✚ Create and maintain highly scalable and fault tolerant multi-tier AWS and Azure environments spanning across multiple availability zones using Terraform and Cloud Formation.
- ✚ Working with configuring the alerts based on infra services thresholds.

Education:

- ✚ B.Tech (Electronics and Communication Engineering) from jntuk Kakinada.

Technical Skills:

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|----------------------------------|---|
| ✚ Operating Systems | : Linux (Red hat, Centos, Ubuntu, SUSE) and Windows. |
| ✚ Cloud Platforms | : AWS, AZURE, |
| ✚ Containerization | : Docker, Kubernetes, Docker Swarm, ECS, AKS. |
| ✚ Scripting Language | : Shell, Python, Bash. |
| ✚ SCM Tool | : Bit bucket, Azure Repository and AWS Code commit GIT. |
| ✚ Build Tools | : Maven, NPM, .net core, |
| ✚ Application Servers | : Apache Tomcat, |
| ✚ Web Servers | : Apache, Nginx, httpd, IIS |
| ✚ CI&CD Tools | : Jenkins, Bamboo, Azure DevOps, |
| ✚ Data Base | : MS SQL Server , My SQL , Mongo DB |
| ✚ Project Management Tool | : Jira, Nagios. |
| ✚ Configuration Management Tools | : Ansible.Chef |
| ✚ Vulnerability | : SonarQube, Fortify |

Professional Experience :

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|-------------|---------------------------------------|
| Designation | : DevOps/ Cloud Engineer |
| Company | : FX ABS Software Solutions Pvt. Ltd. |
| Client Name | : Tata consultancy service. |

Roles and Responsibilities:

- ✚ Implemented CI/CD for all the Micro services of the OEM application using Jenkins, Bamboo.
- ✚ Creating and configuration experience in Kubernetes PaaS services like AWS, Azure.
- ✚ Configured CI/CD for .net core deployment using Azure DevOps.
- ✚ Focused on containerization and immutable infrastructure, Docker has been key to this experience, along with ECS and Azure Kubernetes services.
- ✚ Provisioned the highly available VM & Ec2 Instances using Terraform and cloud formation templates.
- ✚ Worked with Agile development team to develop continuous integration/continuous delivery in the delivery of product using Jenkins and Bamboo.
- ✚ Used Docker to containerized Micro services in cloud and managed clusters using Kubernetes and ECS Fargate services.
- ✚ Worked on Ansible as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manage changes and Written chef recipes to perform middleware binary Installation and Configuration tasks involving JDK, Tomcat binaries installation
- ✚ Used Ansible to deploy patch management (for automating CD and configured Slave Nodes and deployment failure reporting).
- ✚ Configured AWS cloud infrastructure as code using terraform and continuous deployment through Jenkins
- ✚ Working on AWS provisioning EC2 Infrastructure, VPC setup, Auto Scaling for availability of EC2 Instances and availability of applications and deploying applications in Elastic load balancing
- ✚ Configured the Docker image repository with vulnerability scan and automate the process for build and deployment.
- ✚ Deployment of various websites in HA using EC2, ELB, S3 and route 53 and fault tolerant application using EC2, Elastic Cache, ECS, ELB and RDS.
- ✚ Hands on Experience on working of GCP Infrastructure and configuring the VM and Kubernetes services.
- ✚ Experience in creating S3 buckets and managed policies for S3 buckets and utilized S3 Buckets and Glacier for storage, backup and archived in AWS and experience in setting up and maintenance of Auto-Scaling AWS stacks
- ✚ Enabling additional monitoring for memory, disk space and paging in cloud watch and AWS cloud watch alerts integration through SNS.
- ✚ Involved in designing and implementing the Disaster recovery into Cloud and Application perspective.
- ✚ Automated Start/Stop of On-demand EC2 instances used for non-production environment for cost savings and automated backup of EBS volumes attached to EC2 instances with appropriate tagging and automated snapshot deletion based on retention policy
- ✚ Hands on Involved in configuring virtual machines, storage accounts, resource groups, users, subscriptions as a Cloud Administrator on Microsoft Azure.
- ✚ Hands-on experience in Microsoft Azure Cloud Services (PaaS & IaaS), Storage, Web Apps, ActiveDirectory, Application.

Personal information:

+ Name : Vemireddy vikas Kumar
+ Date of Birth : 14/05/1993
+ Nationality : Indian
+ Marital status : Single

Declaration:

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

Place: Rajahmundry

V.vikas kumar

