**PRIYANKA TIRUMALA**

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**PROFESSIONAL SUMMARY:**

* Having experience of 12 years in which extensive experience of 8.5 years as DevOps Engineer (AWS & Azure) with area of expertise in CI/CD implementation.
* Experienced with various Services in IT sector as DevOps, Terraform and Packer for building and deploying applications by adopting DevOps practices such as Continuous Integration (CI) and Continuous Deployment (CD) in runtime with various tools like Git, VSTS, Jenkins, Terraform, Docker, Kubernetes and managing cloud services with AWS and Azure.
* Experience with Development of the full life cycle of software or applications with automation tools.
* Worked with various application teams to create the pipelines.
* Experience with GIT& TFS as source control.
* Hands-on experience with Kubernetes container orchestration Docker Enterprise, Open Shift, and good understanding of AWS EKS managed cloud Kubernetes orchestration services.
* Ensured application consistent Backups and automated daily Snapshots leveraging Automation by creating PowerShell scripts.
* Experience in python programming and scripting
* Created build and release definition for Continuous Integration and Continuous Deployment.
* Managing SQL Server creation and Maintenance.
* Experience in writing Infrastructure as a code (IaC) in Terraform to deploy the Azure resources and services
* Created reusable Terraform modules in AWS cloud environment
* Configured application servers (Tomcat) to deploy the code.
* Created and configured multiple instances on Tomcat Server for different teams.
* Automated nightly build, test, and reporting mechanisms using Jenkins.
* Creating an automated process for code builds and deployments with the help of Jenkins, Shell Script, Java.
* Experience with server monitoring tools like Cloud watch and Azure Monitor.
* Experience in software build tools like Apache Maven and writing Pom.xml and Build.xml respectively using build plugins in maven.
* Installing & configuring the applications like docker tool and Kubernetes for the orchestration purpose.

**TECHNICAL SKILLS:**

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| Versioning Control Systems | GitHub, GitLab |
| CI/CD | Jenkins, GitHub Actions |
| Containerization Tools | Docker, AKS, Kubernetes |
| Operating Systems | Linux, Windows Server 2008 R2 |
| Azure | Storage Accounts, App Insights, Azure Cache for Redis, Key Vault, Static Web App, AKS |
| Web Server | Apache HTTPD, Apache Tomcat, Nginx, Kong API Gateway |
| Database | Oracle, MySQL |
| Infrastructure Automation | Terraform, ARM Templates, Python, Ansible |

**PROFESSIONAL EXPERIENCE**

**Verizon Oct-2022­ – To Till Date.**

**Role: DevOps Engineer**

**Responsibilities:**

* Experience with Development of the full life cycle of software or applications with automation tools.
* Worked with various application teams to create the pipelines.
* Experience with GIT& TFS as source control.
* Strong knowledge on version control concepts.
* Hands-on experience with Kubernetes container orchestration Docker Enterprise, Open Shift, and good understanding of AWS EKS managed cloud Kubernetes orchestration services.
* Ensured application consistent Backups and automated daily Snapshots leveraging Automation by creating PowerShell scripts.
* Experience in python programming and scripting.
* Involvement in CI/CD pipelines using Pulumi and Python scripts to automate deployments, thereby improving software delivery processes.
* Knowledge on branching and merging strategies/Policies. Integration of unit test cases in build pipeline
* Created build and release definition for Continuous Integration and Continuous Deployment.
* Managing SQL Server creation and Maintenance.
* Knowledge on Docker and Kubernetes.
* Experience in writing Infrastructure as a code(IaC) in Terraform to deploy the Azure resources and services
* Created reusable Terraform modules in AWS cloud environment
* Configured application servers (Tomcat) to deploy the code.
* Created and configured multiple instances on Tomcat Server for different teams.
* Development experience in github and github actions
* Automated nightly build, test, and reporting mechanisms using Jenkins.
* Creating an automated process for code builds and deployments with the help of Jenkins, Shell Script, Java.
* Experience with server monitoring tools like Cloud watch and Azure Monitor.
* Experience in software build tools like Apache Maven and writing Pom.xml and Build.xml respectively using build plugins in maven.
* Installing & configuring the applications like docker tool and Kubernetes for the orchestration purpose.

**Environment:** Docker for Desktop, Kubernetes, Jenkins, Maven, Node.JS, NPM, Apache httpd, JSON, JIRA, Python, Shell Scripting, Bitbucket, ELK, Ansible, Agile scrum, GIT.

**Google July-2022** **– Sep-2022**

**Role: DevOps Engineer**

**Responsibilities:**

* Worked on AWS IAAS and PAAS services for automation deployments.
* Creating repositories, new users for GIT and give the permissions to users to access repository. Create branches and merging the Branches for Integration.
* Manage branching & merging of releases for Parallel development. Maintaining the repositories (includes creating, deleting).
* Taking back up on time of the repository. Work with Development Teams and Testing Team to establish a build schedule, execute the builds and troubleshoot build failures.
* Define and maintain Internal Kubernetes definition templates for Containerization of legacy applications.
* Good exposure of agile development methodology in designing and implementation of Continuous Integration and Delivery (CI/CD) methodology. Build and release definition configuration and enabling triggers for CI and CD.
* High level of understanding and experience of Continuous Integration, Continuous Delivery (CI/CD), Agile and other DevOps related methodologies.
* Writing PowerShell scripts for automating repetitive tasks. Providing Access Rights to users, giving support to developers and resolving trouble shooting Git issues.
* Developing the utility scripts to effectively reduce the time and manual effort. Process template modifications/customization based on the customer requirements.
* Provided administration support for IaaS and PaaS services including backups and recoveries, and first level problem determination.

**Environment:** Docker, WS EC2, S3, RDS, ELB, EBS, CloudFront, VPC,Python, Shell scripting, CloudTrail, Code Pipeline, Route53, WAF, IAM, Lambda, AWS Aurora, CloudWatch, DynamoDB, Terraform, Spinnaker, Sysdig Falco, GitHub, GitLab,AWS EC2, ELB, EBS, SNS, SonarQube, Shell Script, Git, JIRA, Linux,Chef,Puppet.

**Kantar Jul-2018 – Jun-2022**

**Role: Devops Engineer.**

**Responsibilities:**

* Automated Continuous Integration builds, nightly builds, deployments, and unit tests across multiple different environments (DEV, QA, Production). Created Build and Release Definition for Continuous Integration and Continuous Deployment. VM deployments using portal and PowerShell. Create web apps for developers to do development work
* Creating/Configuring Load balancer and Traffic manager. Create storage accounts for dev & QA teams for their application development and testing purpose.
* Responsible to build, maintain and support Docker Enterprise platform with Kubernetes orchestrator using Ansible playbooks.
* Collaborate with Platform Engineers to ensure they have the required infrastructure, workflows, and tools to support the development and ensure smooth deployment.
* Collaborate to create flexible and scalable platforms that meet the requirements of development teams.
* Partner with Platform Engineers to establish reliable, scalable and secure infrastructure. Additionally, we implement the necessary monitoring and alerting tools to identify and respond to issues faster.
* Creating/Configuring Load balancer and Traffic manager.
* Enabled and configured the backup policies on virtual machines.
* Implemented various replication types such as LRS, GRS, RA- GRS etc., as per the project requirement
* Scale up and Scale down various services like VMs, SQL Servers.
* Involved in the process of hosting and deployment of entire application into AWS Cloud.

**GroupM Jun-2015 – Jun-2018**

**Role: Devops Engineer.**

**Responsibilities:**

* Integrating Docker/Kubernetes platform with CI/CD Pipeline.
* Writing PowerShell scripts to schedule auto shutdown virtual machines during off business hours.
* Scale up and scale down various services like VMs, SQL Servers.
* Preparing the recovery services vault and finalize the azure resources. Working with the application Owner for the Data assessment and Getting Approvals
* Installing and configuring IIS and FTP services, creation of FTP sites.
* Created web apps (app services) and functional apps for developers for doing development work.
* Providing solutions to the Customers based on the requirements/service requests.
* Configuring storage account access, diagnostics & monitoring.
* Performing Health Checks on server for space and memory management.

**Environment:** Docker for Desktop, Docker EE, Kubernetes, Splunk, CyberArk, Jenkins, Java 8/9/11, Apache tomcat, Maven, Node.JS, NPM, Apache httpd, Redis, Spring, Spring Boot, Spring MVC, Team city, JPA Hibernate, Platform Management, SRE, REST APIs, Chef, Swagger, Typescript, AngularJS, JSON, JIRA, Python, Shell Scripting, Bitbucket, ELK, Ansible, Agile scrum, GIT.

**Start fish Integrated services, Hyderabad. Jun-2011 – Jul-2015**

**Role: Cloud Engineer.**

**Responsibilities:**

* Provided administration support for IaaS and PaaS services including backups and recoveries, and first level problem determination.
* Collaborate with Platform Engineers to ensure they have the required infrastructure, workflows, and tools to support the development and ensure smooth deployment.
* Creating/Configuring Load balancer and Traffic manager. Create storage accounts for dev & QA teams for their application development and testing purpose.
* Responsible to build, maintain and support Docker Enterprise platform with Kubernetes orchestrator using Ansible playbooks.
* Integrating Docker/Kubernetes platform with CI/CD Pipeline.
* Performing Health Checks on server for space and memory management.

**Environment:** Java, Maven, AWS EC2, ELB, EBS, S3, SNS, Chef, Puppet, SonarQube, Azure, Python, Shell Script, Git, Team city, JIRA, Linux

**EDUCATION:**

Bachelor of Technology, Major in Electronics and Communication Engineering, Vaagdevi College of Engineering and Technology, 2010, JNTU, Hyderabad.