

Vijay Sharma

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DevOps Engineer with **2.5** yrs of experience in Infrastructure automation, code migration, Configuration Management, and system administration. Experience in setting up the enterprise infrastructure on Azure cloud. Expertise in Azure cloud, experience in implementing new Azure Vms, integrating Azure cloud-based infrastructure components and developing **CI/CD** solutions.

|| Profile Summary

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- Working as Cloud Administrator on Microsoft Azure, involved in configuring Azure Kubernetes Service, Virtual Machines, Virtual Network, Storage Accounts, Resource Groups.
- Azure services like Azure VM, Load Balancer, Application Gateway, Azure B2C Directory, Azure Database, Azure Functions, Azure Monitoring, Log Analytics, Application Insight and Azure Container Registry.
- Azure API Management, Security, Cloud-to-Cloud Integration (Public, Private).
- Working experience on Azure Resource Management(ARM) template to deploy the Azure Resources.
- Working experience on Azure DevOps services like Azure Repo, Azure Pipeline, Azure Release.
- Remote login to Virtual Machines to troubleshoot, monitor and deploy applications.
- Define cloud network architecture using Azure virtual networks, VPN and express route to establish connectivity between on premise and cloud
- Efficient experience in using Configuration Management, Deployment as well as Containerization Tools like Docker & Kubernetes.
- Hands on experience in creating/managing HA Kubernetes Cluster over Azure Cloud.
- Working experience on alert generation and graph creation with Grafana, Prometheus and various exporters.
- Hands on experience in creating and managing HELM charts.
- Extensive experience in the designing and implementing fully automated continuous integration, continuous delivery, continuous deployment (CI/CD) Pipelines using Jenkins with Git Repository for Agile Projects.
- Familiarity with AWS services like ECS, EC2, S3, IAM, Cloud watch, load balancers and adding them to a different instance.
- Performs regular system maintenance, hardware, and software upgrades.
- Good hands-on knowledge of Source Code Management (Version Control System) tools like Git and Subversion.
- Managing day to day activity of the cloud environment, supporting development teams with their requirements.

|| IT Skills

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| • Cloud Technologies: | Azure Services, AWS |
| • Programming Languages: | Python, C, C++,HTML,CSS |
| • Version Control: | GitHub, SVN Azure Repo, BitBucket, GitLab |
| • CI/CD Tool: | Jenkins, CircleCi, Azure DevOps |
| • FrameWork: | Django(Python) |
| • Containerization: | Docker, Kubernetes, Helm charts |
| • Other Tools: | Jira, Fisheye, SonarQube |
| • Application/Web Server: | Tomcat, Apache, Nginx |

|| Organizational Experience

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VVDN Technologies, Gurgaon

October '18 - Present DevOps Engineer

Azure Devops Engineer

Roles & Responsibilities:

- Configured, deployed highly available and scalable Cloud infrastructure for (DEV, QA STAGE AND PROD) Using Azure resources.
- Develop shell scripts and ARM templates to automate the provisioning and deployment process.
- Management of Azure subscriptions and resources, Implementation and management of storage solutions, Deployment and managing virtual machines (VMs), Configuration and management of virtual networks, Identity management
- Creating / Managing HA Kubernetes clusters which includes managing certificates for clusters, managing state of cluster and its components.
- Creating Kubernetes deployment & services and Ingress rules through helm charts and pushing them over private repositories for various applications.
- Working on various Prometheus exporters and push gateways (for customized metrics) to generate alerts and relevant Grafana graphs to monitor various environments of Kubernetes clusters.
- On-boarding and migrating applications to the Kubernetes cluster.
- Managing Docker and Helm charts Private Repositories.
- Syncing various kubernetes environments through helm charts and Jenkins.
- Creating and managing Azure Release Pipelines for docker applications over kubernetes cluster and over VMs.
- Creating and managing Jenkins CI/CD Pipelines for docker applications over kubernetes cluster and over VMs.
- Automated Continuous Integration builds, nightly builds, deployments and unit tests across multiple different environments (DEV, QA, Training, Production) each constituting different types of servers (DB, App, Web) and different number of servers of each type (for load balancing and such) using VSTSBuild, Shell, and MSBuild, MS Deploy.
- As a member of the DevOps Engineering group, it redefines processes and implements tools for software builds, patch creation, source control, and release tracking and reporting.
- Worked closely with QA Teams, Business Teams, and DBA team and Product Operations teams to identify QA and UAT cycles release schedules to non-prod and prod environments.

Environment: AKS, ACR, Application Gateway, Azure Vm, Load Balancer, Jenkins, Docker, APIM, App Service, Web Service, Storage, Database, Azure B2C Directory, Azure DevOps.

Software Engineer

Roles and Responsibilities:

- Developed, tested and debugged software tools utilized by clients and internal customers.
- Designed and configured database and back end applications and programs.
- Performed research to explore and identify new technological platforms.
- Collaborated with internal teams to convert end user feedback into meaningful and improved solutions.
- Resolved ongoing problems and accurately documented progress of Python project.
- Handled development and management of front end user interfaces with help of HTML, CSS and JavaScript.
- Collaborated with other developers to handle complicated issues related with deployment of Django based applications.
- Worked in all areas of Jenkins setting up CI for new branches, build automation, plugin management and securing Jenkins and setting up master/slave configurations.
- Provided CM and Build support for more than 5 different applications, built and deployed to the production and lower environment.
- Defined and Implemented CM and Release Management Processes, Policies and Procedures.
- Analyze and resolve conflicts related to merging of source code for GIT.
- Maintained build related scripts developed in Python and shell.

Environment: Python, Django, Jenkins, Docker, Docker-Compose, HTML, CSS, GitLab.

Trainee Devops Engineer

Roles & Responsibilities:

- Configured, deployed highly available and scalab

le applications on AWS using EC2, RDS, S3, Elastic load balancer, Auto-scaling, and monitored these applications with Cloud watch and sns services.

- Managed system administrator task of maintaining users, file systems, networking , package management on local machine and AWS.
- Reduced time to deploy applications using DevOps concepts like configuration management and continuous deployment using Jenkins and CircleCi.
- Streamlined deployment process by developing continuous integration tools like jenkins and CircleCi
- Maintained git repository for devops environment version control and build automation integration fit into Jenkins.
- Worked closely with clients to establish problem specifications and system designs.

Environment: AWS, EC2, ECS, RDS, Cloud Watch, SES, SNS, Docker, ECR, API Gateway.

|| Education



- 2018: **B.Tech. in CSE** from **Rajasthan Technical University** with **74%**
- 2014: **12th** from **Rajasthan Board of Senior Education (RBSE)** with **74%**
- 2012: **10th** from **Rajasthan Board of Senior Education (RBSE)** with **79%**

|| Personal Details



Date of Birth: 02 May 1997
Languages Known: English, Hindi
Nationality: Indian
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