**SHASHIKANTH**

**Azure DevOps Engineer**

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**Professional Summary:**

* **DevOps Engineer** with around 9 years of hands-on experience with DevOps tools, Build & Release, Configuration Management, CI/CD, and experience in Azure cloud services.
* Experienced in working on DevOps/Agile operations process and tools area (Code review, unit test automation, Build & Release automation, Environment, Service, Incident and Change Management), Continuous Integration (CI), Continuous Delivery (CD), Cloud, Infrastructure as Code, Infrastructure Provisioning, Orchestration, Monitoring, Alerting and Service Level Dashboards.
* Good experience with DevOps tools like GIT, JIRA, Jenkins, Maven, JFrog Artifactory, and MS Build/ NuGet Packaging.
* In - depth understanding of the principles and best practices of Software Configuration Management (SCM) processes, which include compiling, packaging, deploying and Application configurations.
* Expertise on working and provisioning the compute, storage & network services like Azure Virtual Networks, Resource groups, Azure Traffic Manager, Load Balancer, Virtual Machines, TCP/IP configurations and Azure DNS.
* Building and maintaining systems in Windows Azure for development and production systems. This applies to standard VMs as well as other Azure services.
* Working Experience on Azure Storage, SQL Azure and in different PaaS Solutions with Web, and worker Roles and Azure Web Apps.
* Hands - on experience in Azure Cloud Services (PaaS & IaaS), Storage, Web Apps, Active Directory, UQLS, Application Insights, and Logic Apps.
* Worked on various Azure services like Compute (Web Roles, Worker Roles), Azure Websites, Caching, SQL Azure, NoSQL, AZURE LogicApps, Azure Functions, Network services, Data Factory, Azure Active Directory, API Management, Scheduling, Auto Scaling, and PowerShell Automation.
* Experience in Enterprise repository management tools like Nexus, Artifactory etc.
* Supported Deployments into PROD & Pre-Prod environments with multiple Application server technologies like WebLogic, Jboss & Apache Tomcat.
* Managed environments DEV, SIT, QA, UAT and PROD for various releases and designed instance strategies.

# **Technical Skills:**

* Cloud: Microsoft Azure (VM, App Service, AKS, ACR, Azure Storage)
* **Container & Orchestrator**: Docker, Kubernetes, Artifactory, OpenShift
* **Monitoring Tools:** Nagios, Splunk, ELK, AppInsights, Dynatrace, Cloud Watch, App Dynamics, Elastic search, Kibana, Logstash, Zabbix, Grafana, Stack Driver
* CI/CD Tools: Azure DevOps, Jenkins, Team foundation server (TFS), Bamboo, Stash
* Build Tools: MS Build, NuGet, Maven, Ant, Gradle
* Configuration Management Tools: Ansible, Chef, Puppet, Ansible Tower, Vagrant
* SCM Repository and Version Control Tools: Azure Repos, GIT, GitHub, TFVC, SubVersion and Bitbucket
* Scripting/Languages: PowerShell, Python, Perl, Bash shell, YAML, JSON, Ruby, Groovy, Java
* Operating Systems: Windows, Red Hat Linux, Ubuntu
* Database: Oracle 11.x, My SQL, SQL Server, No SQL, and MongoDB
* Middleware: Tomcat, Apache, HTTP, JBoss, F5, SQL, Oracle, MongoDB, Eclipse, WebSphere, IIS

**Professional Experience:**

**Client: UPS – Timonium Lutherville, MD Jan 2020 – Till Date**

**Role: Azure DevOps Engineer**

**Responsibilities:**

* Used Azure DevOps services such as Azure Repos, Azure Boards and Azure Test Plans to plan work and collaborate on code development, built and deployed application.
* Implementing Azure Services such as Azure Active Directory (AAD), Azure Storage, Azure Cloud Services, Azure Resource Manager (ARM), Azure Blob Storage, Azure VM, Azure Functions.
* Managed Azure Infrastructure Azure Web Roles, Worker Roles, VM Role, Azure SQL, Azure Storage, Azure AD Licenses, Virtual Machine Backup and Recover from a Recovery Services Vault using Azure PowerShell and Azure Portal.
* Worked on GIT to maintain source code in Git and GitHub repositories.
* Working knowledge in deploying CI/CD system using Azure DevOps on Kubernetes container environment and for runtime environment of CI/CD system to build, test and deploy we utilize Kubernetes and Docker.
* Implementing Azure Services such as Azure Active Directory (AAD), Azure Storage, Azure Cloud Services, Azure Resource Manager (ARM), Azure Blob Storage, Azure VM, Azure Functions.
* Developed and Implemented Azure DevOps Pipeline across multiple subscriptions in Azure.
* Worked with Azure Monitoring Tools such as Azure Log Analytics, Azure Network Watcher and Azure Service Health to diagnose and minimize service degradation.
* Managing Windows and Linux servers, troubleshooting IP issues and providing support to multiple Application teams.
* Written runbooks in PowerShell and deployed using CICD Az DevOps to Automation Accounts. Released pipelines use Azure AD Application Registration service principal in the Azure DevOps service connections for authentication to Azure.
* Developing PowerShell scripts and ARM templates to automate the provisioning and deployment process.

**Environment:** Microsoft Azure, PowerShell, Jenkins, Docker, Kubernetes, Ansible, Windows Server, RedHat, Microsoft SQL Server.

**Client: Lowe’s – Mooresville, NC April 2017 – Dec 2019**

**Role: Azure DevOps Engineer**

**Responsibilities:**

* Implemented Azure DevOps services for Continuous Integration, Continuous Delivery, Deployment, and monitoring Activities include build issues, deployment issues for multiple releases like maintenance release, enhancement release, bug fixes, emergency releases.
* Created CI/CD pipelines for .Net, node.js, java applications in Azure DevOps pipelines by integrating source codes GitHub, VSTS and Artifacts and Created deployment areas such as Testing, Quality, pre-production, and production environment.
* Managed Azure Active Directory to create users, groups, service principal names and multiple custom roles. Used AAD for Single Sign on, Authentication, Authorizations and Azure Role-Based Access Control (RBAC) by using PowerShell Scripts and used Azure Service Bus for communicating within devices in the Azure Cloud.
* Provisioning Azure resources of different providers Compute, Network, Service Fabric, Application gateway using ARM template and implemented, maintained dev, test, Staging, and production environments leveraging infrastructure as code using Azure ARM templates (Infrastructure as code, JSON / YAML config).
* Used Kubernetes to deploy, load balance, scale and manage Docker containers with multiple namespace versions. Involved in developing test environment on Docker containers and configuring the Docker containers using Kubernetes.
* Provisioned Terraform for high availability of Azure Infrastructure & also wrote new plugins to support new functionality in Azure, involved in using Terraform to migrate legacy and monolithic systems to Azure.
* Written PowerShell scripts for archiving and moving of older log files to Azure Storage and automation scripts using python and Used Prometheus for Kubernetes integration for service discovery and monitoring of dynamically scheduled services.
* Designed build and managed the ELK (Elasticsearch, Logstash, and Kibana) cluster for centralized logging and search functionalities for the Applications.

**Environment:** Ansible, Jenkins, Ant, GIT, Terraform, Azure, Azure AD, Azure SQL, Azure Network, PCF, ARM, Kubernetes, Docker, PowerShell script, Java script, Ruby, Splunk, Elasticsearch, Jira, Linux, MongoDB, Microsoft Azure Storage, JIRA, IIS, Hyper-V, VLAN, DNS, DHCP, Visual Studio, SQL server.

**Client: PayPal, CA May 2016 – April 2017**

**Role: Azure DevOps Engineer**

**Responsibilities:**

* Involved in creating the Azure Services with Virtual Machine. Involved in developing the Azure Solution and Services like IaaS and PaaS.
* Managed Azure Infrastructure Web Roles, Worker Roles, Storage, Azure AD Licenses, Office365. Created Cache Memory on Windows Azure to improve the performance of data transfer between SQL Azure and WCF services.
* Converted .Net application to Microsoft Azure Cloud Service Project a part of cloud deployment.
* Created Ansible cloud modules for interacting with Azure services which provides the tools to easily create and orchestrate infrastructure on Azure and automated cloud-native applications in Azure using Azure microservices such as Azure functions and Kubernetes on Azure.
* Migrated SQL Server 2008 database to Windows AzureRedis and updating the Connection Strings based on Windows Azure SQL Database.
* Used Azure Kubernetes Service to deploy a managed Kubernetes cluster in Azure and created an AKS cluster in the Azure portal, with the Azure CLI, also used template driven deployment options such as Resource Manager templates and terraform.
* Virtual Machine Backup and Recover from a Recovery Services Vault using Azure Cloud Shell and Portal. Used Power Shell for troubleshooting remote management of Azure Virtual Machines.
* Created a resource group, storage account, and Azure Files in cloud Shell using PowerShell. Created Power Shell scripts to automate the Azure Cloud system creation including end-to-end infrastructure, VMs, storage, firewall rules.
* Experienced with deployments, Maintenance and troubleshooting applications on Microsoft Cloud infrastructure Azure.

**Environment:** Windows, Azure DevOps, Git, PowerShell, YAML, Ansible, Virtual machines, .net, Jfrog, artifactory, Visual Studio code, Azure cloud, IIS, MSSQL, Kubernetes, Microservices, docker, Python, Dynatrace, Splunk.

**Client: Toyota Financial Services - Torrance, CA Jan 2015 – May 2016**

**Role: DevOps Engineer**

**Responsibilities:**

* Migration from Jenkins continuous integration tool to Bamboo.
* Created CI/CD pipeline from dev to production environments using bamboo and integrated Maven with SVN to manage and deploy project related tags.
* Focus on continuous integration and deployment, promoting Enterprise Solutions to target environments.
* Provided the assistance to developers and other team members in any build issues.
* Deploying the applications to various environments for testing (Dev, QA, INT, PROD).
* Invoked ant, maven, batch scripts to automate the build process to compile, archive and stage the artifacts.
* Involved in setting up JIRA as defect tracking system and configured various workflows, customizations, and plugins for the JIRA bug/issue tracker.
* Setting up continuous integration and formal builds using Bamboo with Arti factory repository.
* Installing and monitoring tools on Windows and Linux Environments.
* Worked on UNIX/Linux environment wrote and used Shell Scripts for manual deployment of the code to the Different environments and e-mail the team when the build is completed.
* Co-ordinated with release engineer, Developers, architects for all active builds and planned a successful release.

**Environment:** Jenkins, Bamboo, JDK 1.8, Java/J2EE, ANT, Maven, SVN, Artifactory, Tomcat, JIRA, Unix/Linux, Shell scripting, Windows, RHEL.

## **Education:**

* Master of Science from University of Central Missouri - 2015
* Bachelor of Technology in Electronics and Communication Engineering from JNTUH