**Priyank Guniganti**

**Senior Azure DevOps Engineer (Azure Cloud Certified)**

[**priyank.softengg@gmail.com**](mailto:priyank.softengg@gmail.com)

**(440) 903-6828**

**PROFESSIONAL SUMMARY:**

* DevOps Engineer with more than 13+ Years’ experience in Software Configuration Management, Build and Release, Infrastructure planning and Cloud platforms.
* Experience working with version control tools **Subversion, Git, TFS, Bit bucket, Azure DevOps**.
* Administered build servers like **Team City, Jenkins, TFS, VSTS, Azure DevOps Bamboo.**
* Good hands-on knowledge of Configuration Management and Deployment tools like **Puppet, Ansible, Chef, Terraform, and Octopus Deploy.**
* Creating and maintaining Infrastructure for Applications in AWS using Terraform. Building & Automating CICD pipelines for different applications.
* Managed **Docker orchestration and Docker containerization** using **Kubernetes.**
* Used **Kubernetes**to orchestrate the deployment, scaling and management of Docker Containers.
* Experience in dealing with Windows Azure IaaS - Virtual Networks, Virtual Machines, Cloud Services, Resource Groups, Express Route, VPN, Load Balancing, Application Gateways, Auto-Scaling, and Traffic Manager.
* Responsible for all aspects of the software configuration management including code compilation, packaging/deployment/release methodology, and application configurations.
* Major focus on **Configuration, SCM, Build/Release Management, Infrastructure as a code (IAAC)**and as **Azure DevOps** operations Production and cross platform environments.
* Good experience working with **Landing Zones in Azure** to enable application migration, modernization, and innovation at enterprise-scale in Azure.
* Experience in automating provisioning of resources using [Terraform](https://docs.microsoft.com/en-us/azure/virtual-machines/windows/infrastructure-automation#terraform), [Ansible](https://docs.microsoft.com/en-us/azure/virtual-machines/windows/infrastructure-automation#ansible), [Chef](https://docs.microsoft.com/en-us/azure/virtual-machines/windows/infrastructure-automation#chef), [Puppet](https://docs.microsoft.com/en-us/azure/virtual-machines/windows/infrastructure-automation#puppet), [Azure PowerShell](https://docs.microsoft.com/en-us/powershell/azure/overview), [Azure CLI](https://docs.microsoft.com/en-us/cli/azure), AWS CLI, [ARM templates](https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-overview#template-deployment).
* Worked on Databases like **Oracle, Microsoft SQL server, Azure SQL and Amazon RDS.**
* Proficient with container systems like **Docker** and container orchestration like **EC2 Container Service**, **Kubernetes**, worked with **Terraform.**
* Experience in setting up **CICD** pipeline integrating various tools with Jenkins to build and run **Terraform** jobs to create infrastructure in **AWS.**
* Experience working with AWS Cloud services VPC's, ALB/NLB, EC2, ELB, EBS, ECS, S3, Cloud Front, Cloud Watch Route53, IAM, Cloud Formation templates.
* Created CI/CD pipeline using Azure **DevOps, Team city/Octopus, and Jenkins/Octopus**.
* Experience working with Monitoring/Logging tools like **Solar Winds, New Relic.**
* Developed and managed cloud VMs with **AWS EC2** command line clients and Services **AWS**provisioning and worked on services like **EC2, S3, Glacier, ELB**(Load Balancers), **RDS, SNS, SWF**and **EBS.**
* Hands on experience in **Azure** Development, worked on **Azure web application**, **App services**, **Azure storage**, **Azure SQL Database**, **Virtual machines**, **Fabric controller**, **Azure AD**, Azure search, and notification hub.
* Designed, configured and deployed Microsoft**Azure** for a multitude of applications utilizing the**Azure** stack (Including Compute, Web & Mobile, Blobs, Resource Groups, Azure SQL, Cloud Services, and ARM), focusing on high - availability, fault tolerance, and auto-scaling.

**TECHNICAL SKILLS:**

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| **Operating Systems** | RHEL, CentOS, Windows server 2016,2019 |
| **Version Control Tools** | TFS, Git, Bit bucket, SVN, Clear Case, VSTS, VSS, CVS, RCS, SVN, perforce |
| **Languages** | C, C++, C#, Java, ASP.net, Python |
| **Web Technologies** | HTML, XML and Oracle WebLogic Server 11g, VB Script, SOAP,PHP |
| **Database and Tools** | Oracle 9i,10g, 11g, TOAD and MS SQL Server 2016,Azure SQL, Amazon RDS |
| **Cloud** | AWS, Azure |
| **Continuous Integration Tools** | Jenkins, Bamboo, Team city, Azure Pipelines, Octopus Deploy, Azure DevOps,  AWS Code build, Code deploys, Terraform |
| **Bug Tracking Tools** | HP Service Center, JIRA, Avicode and ITSM, TFS |
| **Scripts** | Unix/Windows Shell script, PowerShell script, Perl script |
| **IDE** | Visual Studio 2013,2015,2017 and Eclipse |

**EDUCATION:** Master of Information Technology (Fed Uni, Australia) 2005

**Certifications:** Microsoft Certified - DevOps Engineer Expert & Microsoft Certified - Azure Administrator Associate

**PROFESSIONAL EXPERIENCE:**

**Cognizant, New York April 2024-Current**

**Senior Azure Cloud Engineer**

**Responsibilities:**

* Designed and implemented Azure landing zones, ensuring secure and scalable cloud environments.
* · Automated infrastructure provisioning with Terraform and Azure Resource Manager (ARM) templates.
* · Implemented Role-Based Access Control (RBAC) and Azure Policy to enforce compliance and security standards.
* · Implemented Azure Virtual Network (VNet) and Network Security Groups (NSGs) to enhance network security.
* · Configured Azure Security Center and Azure Policy to enforce security and compliance requirements.
* · Deployed applications and infrastructure applications across multiple Azure regions, ensuring high availability and disaster recovery.
* · Implemented Azure Backup and Site Recovery for data protection and business continuity.
* · Created golden images using Azure VM Image Builder, streamlining the deployment process and ensuring consistency across environments.
* · Collaborated with development teams to integrate automated testing and monitoring solutions.
* · Created custom dashboards in Azure Monitor to identify and resolve infrastructure issues.
* · Automated the image creation process, integrating with Azure DevOps for seamless updates and deployments.
* · Deployed Azure virtual machines (VMs) and Cloud services (PaaS role instances) into secure VNets and subnets.
* · Implemented Azure Encryption for Azure Storage and Virtual Machines, Azure Key Vault services to protect and secure the data for cloud applications.
* · Implemented and managed load balancers for various applications, ensuring high availability and optimal performance.
* · Implemented Alerts in Azure based on specific performance metrics to notify when CPU usage , disk usage exceeded certain threshold.
* · Monitored and analyzed system performance using Azure Monitor and Application Insights.
* · Implemented CIS Benchmark guidelines to ensure compliance with industry security standards and best practices.
* · Collaborated with development teams to ensure seamless integration of applications with Azure services.
* · Configured and maintained Azure DevOps pipelines for continuous integration and continuous deployment (CI/CD).
* · Provided technical support and troubleshooting for Azure-related issues.
* · Implemented cloud security best practices, including identity and access management (IAM), encryption, and network security.
* · Configured and managed Private DNS Zones in Azure to provide secure and reliable name resolution for virtual networks.
* · Designed and integrated Azure SQL Databases with MuleSoft to enable seamless data flow and robust application connectivity.
* · Leveraged Azure Synapse Analytics for data integration, big data analytics, and real-time data processing to support business intelligence and decision-making.
* · Developed and enforced Azure Policy and Azure Blueprints to ensure compliance with organizational standards and regulatory requirements.
* · Implemented and managed Azure resource tagging to ensure proper cost allocation, resource organization, and compliance.
* · Developed tagging strategies to categorize resources by environment, department, and project, enhancing resource management and reporting.
* · Automated tagging processes using Azure Policy and Azure Resource Manager (ARM) templates, reducing manual effort and ensuring consistency.
* · Monitored and audited resource tags to maintain accuracy and compliance with organizational policies.
* · Collaborated with cross-functional teams to define and enforce tagging standards, improving visibility and governance across the cloud environment
* · Integrated ServiceNow (SNOW) with Azure Resource Graph to enhance resource discovery and management.
* · Implemented Service Graph Connector for Microsoft Azure, automating the population of configuration classes such as virtual servers, network infrastructure, and installed software.
* · Developed workflows to synchronize Azure resource data with ServiceNow CMDB, improving operational visibility and decision-making.
* · Automated incident and change management processes by integrating Azure alerts and events with ServiceNow, reducing response times and improving service reliability.
* · Collaborated with IT and DevOps teams to define integration requirements and ensure seamless data flow between Azure and ServiceNow.

**Walgreens Boot Alliance, Illinois Nov 2021– April 2024**

**Senior Azure Cloud DevOps Engineer**

**Responsibilities:**

* Hands-on experience Designing, planning and implementation of applications on **AZURE Cloud**(ARM).
* Worked on provisioning various Azure Services like Azure VM’s , Azure VNets, NSG’s and API Management.
* Integrated existing API’s to Azure API Management to get all the attributes like security, usage plans, throttling, analytics, logging, monitoring and alerts.
* Migrated workloads from On-Prem to Azure IaaS and published web services API’s using Azure API Management service.
* Involved in designing and build platforms using API’s, real time data flows, process orchestration and micro services, API Management and security best practices.
* Create API Management Policy definitions to customize the behavior of API’s.
* Configured and deployed Azure Automation Scripts utilizing Azure stack Services and Utilities focusing on Automation.
* Configured and implemented storage blobs and Azure files - Created Storage accounts, Configured the Content **Delivery Network**(CDN), custom domain, Managing access and storage access key.
* Good experience working with **Landing Zones in Azure** to enable application migration, modernization, and innovation at enterprise-scale in Azure.
* Experience in Windows Azure Services like **PaaS, IaaS**and worked on storages like Blob (Page and Block), Sql Azure. Well experienced in deployment & configuration management and Virtualization.
* Developed and supported the Software Release Management and procedures. Also experienced with working on Subversion, Proposed and implemented branching strategy.
* Used Docker for setting **Azure Container Registry**with **Docker**and Docker-compose and actively involved in deployments on Docker using **Kubernetes.**
* Created CI/CD Pipelines **in Azure DevOps**environments by providing their dependencies and tasks.
* 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.
* Automated various infrastructure activities like Continuous Deployment using Ansible playbooks and has Integrated Ansible with Jenkins on **AZURE.**
* Designing and implementing fully automated Server build management,
* Developed automation scripting **in Python**(core) using Puppet to deploy and manage Java applications across Linux servers.
* Expert in various **Azure**services like Compute (Web Roles, Worker Roles), Caching, **Azure SQL,** NoSQL Storage, and Network services, Active Directory (AD), API Management, Scheduling, **Azure**Auto Scaling.
* Deployed**Azure IaaS** virtual machines (VMs) and Cloud services (PaaS role instances) into secure VNets and subnets.
* Effectively using Log Analytics workspace and good understand/experience with Kusto Query Language.
* Configured Azure cloud services, Azure Firewalls, Azure IAM (SSO/MFA/RBAC), Azure Active Directory (AD), Azure Resource Manager (ARM), Azure Storage, Blob Storage, Azure VMs, IIS, SQL Database, Azure Functions, Azure Service Fabric, Azure Monitor, and Azure Service Bus.
* Configured Applications logs & performance using Splunk, Datadog, Nagios & AppDynamics.
* Deployed and configured Azure Backups for Virtual Machines and files & folders backups on Windows and Linux operating systems using Recovery Services Vault in Azure Resource Manager.
* Configured Azure Encryption for Azure Storage and Virtual Machines, Azure Key Vault services to protect and secure the data for cloud applications.
* Configured Azure Identity & Security using IAM (SSO, MFA, RBAC) & Active Directory Policies.
* 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.
* Involved in facilitating Change Management across entire process from Project design to Testing through Project Delivery, Software Development and Implementation Management cycle.
* Used Azure Express Route to set up a private connection to Microsoft cloud services such as a Microsoft Azure, Office 365, and Dynamic 365.
* Integrated Azure Log Analytics with Azure VMs for logging/monitoring the log files, store them and track metrics and resolved & investigated root cause issues

**Change Healthcare, Philadelphia, PA Oct 2019 –Nov 2021**

**Sr Cloud Engineer**

**Responsibilities:**

* Created Virtual Network with Frontend and Backend subnets, Assigned Frontend and Backend Network security group rules to these subnets by using Terraform.
* Worked on implementing backup methodologies by Power Shell Scripts for Azure Services like Azure SQL Database, Key Vault, Storage blobs, App Services etc.
* Experience with container-based deployments using Docker, working with Docker images, Docker Hub and Docker-registries and Kubernetes.
* Used Azure Devops pipelines to drive all micro services builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
* Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker, on AKS.
* Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker, on Azure
* Implemented **AWS** solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups.
* Changing the AWS infrastructure Elastic Beanstalk to Docker with **Kubernetes.**
* Configured Elastic Load Balancers (**ELB**) with EC2 Autos calling groups
* **Kubernetes**is being used to orchestrate the deployment, scaling and management of **Docker**Containers.
* Managed **Kubernetes** deployments, objects for high availability and scalability using horizontal pod scaler and resources management
* Managed deployments in EKS **managed Kubernetes**, setup multi nodes cluster and deployed containerized applications
* Implemented **Kubernetes** manifests, helm charts for deployment of microservices into k8s clusters
* Implemented a load-balanced, highly scalable, and available, fault-tolerant **Kubernetes** infrastructure
* Implemented security best practices to detect threats and vulnerabilities that might lead to security breaches.
* Created shared dashboards in Azure to monitor resource utilization for **Azure SQL Data Warehouse**.
* Developed Automation Run books using PowerShell to help achieve process and workflow efficiency

Effective resource management.

* Implemented Alerts in Azure based on specific performance metrics to notify when CPU usage exceeded certain threshold, detected a missing update.
* Created Azure Devops pipelines to build and deploy Azure Web apps and configured ssl certificates.
* Automated provisioning of Azure storage accounts, Azure Blob storage and Azure Data Lake.
* Generated reports by pulling Telemetry data from Azure SQL tables. Wrote custom queries to fetch the data for different time ranges, and for different ISVs.
* Configured Azure Multi-Factor Authentication (MFA) as a part of Azure AD Premium to securely authenticate users, worked on creating custom Azure templates for quick deployments, and advanced **PowerShell**scripting.
* Deployed Azure SQL DB with GEO Replication, Azure SQL DB Sync to standby database in another region & fail over configuration.

**Connective Rx, Pittsburgh, PA Mar 20 19 – Oct 2019**

**Sr DevOps Engineer**

**Responsibilities:**

* Automated builds of Micro Services, API’s, UI’s and databases using Team City and deployments using Octopus Deploy.
* Implemented infrastructure on AWS using various services like EC2, VPC, RDS, Security groups, Network Access Controls, Elastic Load Balance, Cloud Watch, Cloud Formation Templates and Auto-scaling to provide high availability, fault tolerance and scalability.
* Built and maintained custom creation of AWS AMI’s using packer and configuration using Ansible.
* Automated creation of S3 buckets using PowerShell and deploying to S3 buckets using Octopus deploy.
* Responsible for creating and managing AWS users, groups, and use permissions to allow and deny their access to AWS resources using IAM.
* Build, manage, and continuously improved the build infrastructure for software development engineering teams including implementation of build scripts, continuous integration infrastructure and deployments.
* Implemented rolling deployments whereby, instead of deploying a package to all servers at once, we slowly roll out the release by deploying it to each server one-by-one.
* Automated Cache Invalidation of AWS Cloudfront distributions using PowerShell.
* Automated installation of New Relic agents and updates using Octopus Deploy.
* Worked on configuring Infrastructure logging/monitoring, Application Monitoring using New Relic.
* Defined Release isolation branching strategy based on development requirements.
* On boarded over 60 applications to Octopus Deploy to deploy to DEV, SIT, UAT and Production Environments
* Collaborate with QA and operations to get code to production quickly and reliably while automating as much of the process as possible.

**Envision Rx Options, Cleveland, OH Mar 2018 – Mar 2019**

**DevOps Engineer/Octopus Deploy**

**Responsibilities:**

* Upgraded Team Foundation Server (TFS) from 2012 to 2015.
* Migrated Legacy Envision applications from CVS repository to Git.
* Created Automated builds for Websites and internal Windows application in TFS 2015.
* Created CI/CD pipelines in Team Foundation Server using ARM templates to create VM’s, Resource Groups in Azure.
* Worked with development teams to ensure configuration management requirements are defined and solutions accurately designed for new websites and software products.
* Responsible for troubleshooting deployment issues and also rollback
* Defined Release isolation branching strategy based on development requirements.
* On boarded over 160 applications to Octopus Deploy to deploy to DEV, SIT, UAT and Production Environments
* SonarQube integration with ALM tool. Installing SonarQube Plugins on the server, which include integration, authentication, and governance plugins and SonarQube Scanners for MS Build, which run on your Build / Continuous Integration Servers to analyze projects, and sending it to the SonarQube Server for processing.
* Collaborate with QA and operations to get code to production quickly and reliably while automating as much of the process as possible.
* Trained development and QA teams on using Octopus Deploy to deploy releases.
* Analyzed, defined, and developed build process improvements using TFS 2013 and TFS 2015.
* Installed Tentacles on Linux and Windows deployment targets and configured Octopus server to deploy to Linux server using SSH.
* Experienced working with Microsoft’s PowerShell extension, DSC to incorporate windows components like active directory, IIS and SQL Server into Chef.

**BMS Practice Solutions, Upland, CA Apr 17 – Feb 2018**

**Devops Lead/SCM/TFS Admin**

**Responsibilities:**

* Responsible for debugging compilation link, and generated errors, also debug installation and upgrade errors.
* Created groups/users and defined user permissions for the projects in TFS.
* Experienced with Continuous Integration and Delivery via TeamCity and Octopus.
* Using Packer, Terraform and Ansible, migrate legacy and monolithic systems to Amazon Web Services.
* Manage AWS EC2 instances utilizing Auto Scaling, Elastic Load Balancing and Glacier for our QA and UAT environments as well as infrastructure servers for GIT and Puppet
* Automated the test scripts using VSTS framework with MTM interface integration and Coded UI.
* Used scripting languages like Python, Ruby, Perl, Bash and configuration management tools Chef, Puppet, and CF Engine and Web Service like Amazon Web Services (AWS).
* Knowledge in IIS and hands on experience with WebSphere, JBoss and WebLogic deployments.
* Configured SSRS & SSIS for SQL Server 2008, 2012 R2.
* Experience with Atlassian products – Jira, Agile, Fisheye, Crucible, Bitbucket, Confluence and Crowd.
* Setup monitoring and alerting mechanisms for AWS and private datacenter infrastructure.
* Worked with Puppet, Chef, GIT, Jenkins and Octopus to automate build deployment and other change management practices.
* Provided support for Artifact Management using Puppet and used Nexusyum Plugin to provide yum Integration from Repository Server
* Integrate new application changes to existing servers by performing deployments using tools such as Octopus Deploy and TeamCity.
* By Ansible and Terraform for tasks such as encrypting EBS volumes backing AMIs and scheduling Lambda functions for routine AWS tasks.
* Good understanding of Open Shift platform in managing Docker containers and Kubernetes Clusters
* Docker Swarm mode provides the orchestration you need hits the sweet spot of easy setup versus feature set, and ships native with the Docker engine you are already going to install and use anyway.

**EDD, State of California, Sacramento, CA May 2015 – Mar 2017**

**Sr. Devops Engineer /SCM/TFS Administrator**

**Responsibilities:**

* Developing and maintaining the build environment, version control and managing build packages using TFS.
* Used the continuous integration tool **Bamboo** to automate the daily processes.
* Created and Implemented branching and merging strategy with multiple branches.
* Performed build and deployment activities across multiple environments – QA, UAT, Staging and Production environments.
* Automated server deployment using Terraform, Ansible and Docker container on AWS EC2
* Automated Data base deployment into Development environment by customizing XAML Templates.
* Worked on Setting up UAT, Staging and Production environments and created deployment scripts according to the requirement.
* Provided Build Scripts for Database Projects to Deploy DB and populate Test data in DB for various environments.
* Designing and implementing for fully automated server build management, monitoring and deployment by using DevOps Technologies like Chef, Puppet.
* Used Ant, Maven and Gradle as a build tool on java projects for the development of build artifacts on the source code.

**Tech-Mahindra, Melbourne Nov 2013 – Feb 2015**

**Configuration Manager/ Devops Engineer**

**Responsibilities:**

* Set up various Team Projects into different Team Project Collections in TFS 2010 & TFS 2012
* Configured in both TFS 2010/2012 Environment along with Default Project Collections, Build Definitions, Work Items, Share Point Services, And Reporting Services.
* Customized TFS 2010 Work Item Templates and Workflow of the Work Items provided ‘Manual’, ‘Continuous Integration’, ‘Gated Check-in’ and ‘Schedule’
* Customized Automated Build Scripts by modifying XAML (Work Flow) template to Start, Stop & deploy code to various regions (Windows Service, Windows workflow).
* Performed and deployed Builds for various Environments like QA, Integration, UAT and Productions Environments.

**JC Penny, Australia. Oct 2010 – Sep 2013**

**TFS Build and Release Engineer**

**Responsibilities:**

* Setup various Team Projects into different Team Project Collections in TFS 2010.
* Configured TFS 2010 Collections, Build Definitions, Work Items.
* Installed ALM Update Services that provides compatibility with ALM work Item controls any other ALM Specific feature.
* Performed software branching and merging activities for each release cycle Assist in the maintenance and administration of build and release systems.
* Installed Microsoft Team foundation Server 2010 Power Tools to enhance the native features of Visual Studio and TFS.
* Involved in creating the branching strategy. Responsible for creation of branches, version label and configuration specs for developers.
* Responsible for daily build monitoring and troubleshooting. Fully responsible for development, QA, Staging and Production builds and deployments.

**Citibank Melbourne Apr 2007 - Sep 2010**

**Software Configuration Manager/Build Engineer**

**Responsibilities:**

* Providing configuration services on multiple platforms in the test environment running on one or more IT Platforms: Maven, Client/server, Jenkins, MS Build, Microsoft Windows NT, OS/390, and UNIX.
* Provided centralized software configuration management for enterprise application projects in a multi-tiered high-availability environment.