**Vinay Dabbiru**

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# TECHNICAL SUMMARY

* **Over 10+ years of experience** as a **DevOps Engineer** in researching, implementing, and communicating Infrastructure-as-code solutions on an enterprise scale.
* As a DevOps engineer worked on the design, development, and deployment of software applications, the Internet of Things (IoT), and Cloud/Hybrid solutions.
* Experience in building highly available and highly fault-tolerant redundant production and disaster recovery systems using best practices.
* Supported the development of microservices, Service Oriented Architectures (SOA), Cloud/Hybrid computing solutions
* Understanding of software development lifecycle and various methodologies, specifically **Agile/Scrum/Kanban**.
* Extensive experience in studying existing infrastructure landscape, designing cloud architecture, Proof of Concepts, design improvements, cost Estimation, and implementation of **Azure** **Cloud Infrastructure** recommending application migrations to the public cloud.
* Experience in migrating On-Premises networks to **Amazon Cloud Services, Azure Cloud Services,** and **Private Clouds**, using **Cloud Formation templates** and other **AWS** resources.
* Code deployment using ADO (Azure DevOps) and building pipelines.
* Experienced in creating **IAM** roles, for instance, to have permission to send out the metrics to the Cloud Watch dashboard.
* Extensive Experience with the **PowerShell Scripting.**
* Expertise in **Python Scripting,** Shell **scripting, and Perl Scripting for environment builds Automate** deployment on Web Sphere **Application Server and WebLogic Application Servers.**
* Experience in Private Cloud and Hybrid cloud configurations, patterns, and practices.
* Experience with container technologies **Docker and Kubernetes**.
* Load balancing F5 experience with Azure Networking Solutions.
* Analytics and maintaining pipelines and triggers with Azure Data Lake and Data Factory.
* Hands-on experience with a broad range of **AWS**Cloud Services like **EC2**, **ELB**, **Auto Scaling**, **VPC**, **Route53**, **RDS**, **S3**, **IAM**, **SNS**, **SQS**, **Dynamo DB**, **AWS lambda**, **Elastic search,** and **Cloud Watch**.
* Experience as a **Linux** **Administrator** with the administration of Middleware components such as **Tomcat**, **JBoss, Web Logic and Apache Web Server, IIS, and LDAP Active Directory Server.**
* Strong knowledge of **GIT**, **TeamCity,** and Subversion (SVN) and experience utilizing source control such as Perforce, TFS, and knowledge of Clear Case.
* **AppDynamics, Elk, Splunk-based** monitoring set-up & administration.
* Extensively worked on **Jenkins**/Hudson by installing, configuring, and maintaining for the purpose of Continuous integration (CI) and Continuous deployment (CD) for End-to-End automation for all build and deployments.
* In-depth understanding of the principles and best practices of **Software Configuration Management** (SCM) processes, which include compiling, packaging, deploying, and Application configurations.
* Implemented Test Driven Development (TDD) and code design for unit testing.
* Experience in working with **Terraform** for **automating VPCs, ELBs, security groups, SQS queues, and S3 buckets,** and continuing to replace the rest of our infrastructure
* Strong hands-on development and configuration experience with software provisioning tools **Chef**, **Ansible,** and **Puppet**.
* Implemented multi-tier application provisioning in **Cloud OpenStack**, integrating it with **Chef/Puppet, and Docker.**
* Proficient in **defining, communicating, and fulfilling** the project's goal and breaking complex issues into manageable parts.
* Efficient in working closely with teams to ensure high-quality and timely delivery of builds and releases.
* Development-level experience in Microsoft Azure, AWS, ASP.NET, Web Services, WCF, ASP.NET Web API, Entity Framework, JavaScript, jQuery, Angular, Bootstrap, CSS, HTML
* Experience in design and implementation of services using WCF, SOAP/REST, creating REST services using ASP.NET Web API
* Experience in working with the performance management tool Veracode.
* Excellent communication, analytical, presentation, training, and interpersonal skills.

# TECHNICAL SKILLS

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| --- | --- |
| **Operating Systems** | Windows, Linux |
| **Programming Languages** | C, C++, Java, C#, VB.Net, Python |
| Web Scripting | HTML5, Bootstrap, CSS, JavaScript, JSON, AJAX |
| **Microsoft Technologies** | .Net Framework, ASP.Net, MVC, Web API, Entity Framework, SharePoint |
| **Web/ Application Server** | Tomcat, Apache DB2, Oracle, JBoss, Internet Information Server (IIS) |
| **CI/CD Tools** | TeamCity, Jenkins, Flosum |
| **Cloud Platform** | Microsoft Azure - Cloud Services (PaaS & IaaS), Terraform, Storage, Web Apps, Active Directory, Application Insights, Azure Monitoring, Azure Search, Logic Apps, Data Lake, Data Factory, Service Bus, Key Vault, and SQL Azure |
| **Tools** | Microsoft Visual Studio, Visual Studio Code, TFS, SSMS, Soap UI, Fiddler, Veracode, Salesforce Data Loader, Workbench. |
| **Virtualization Tools** | VMware, VirtualBox |

# WORK EXPERIENCE

**Prospero Health June 21 – Now**

**Sr. DevOps/Cloud Engineer**

**Role/ Responsibilities:**

* Experience in Microsoft Azure Cloud Computing development and support. Moderate and contribute to the support forums (specific to **Azure Networking, Azure Virtual Machines, Data Factory, Azure Active Directory, Data Lake, Data Mesh, and Azure Storage**).
* Experience in using Cloud Infrastructure management and Implementation Working experience on various Azure services like Compute (Web Roles, Worker Roles), Azure Websites, Caching, SQL Azure, NoSQL, Storage, Network services, Azure Active Directory, Scheduling, Auto Scaling, and Power Shell Automation.
* Extensive working experience with different SDLC methodologies such as **Agile and Waterfall**, with an ability to be creative and to take self-initiatives to execute/manage multiple projects in parallel during time-critical situations.
* Good working experience in Azure Logic apps, Azure Data Lake, Data Factory, Service Bus, Document DB, and SQL Database.
* Deployed Azure IaaS Virtual Machines (VMs) and PaaS role instances (Cloud Services) into secure VNets and subnets, designed VNets and Subscriptions to confirm Azure Network Limits.
* Experienced with deployments, Maintenance, and troubleshooting applications on Microsoft Cloud infrastructure Azure Provided high availability for IaaS VMs and PaaS role instances for access from other services.
* Designed and implemented **Azure Cloud Infrastructure by creating ARM templates** for the Azure platform also used Terraform to deploy the infrastructure necessary to create development, test, and production environments.
* Configured in setting up CI/CD pipeline integrating various tools with Cloud Bees Jenkins to build and run Terraform templates to create infrastructure in Azure. Worked on Power Shell scripts to automate the Azure Cloud system in creating Resource groups, Web Applications, Azure Storage Blobs & Tables, and firewall rules and used Python scripts to automate day-to-day administrative tasks.
* Automated Various infrastructure activities like Continuous Deployment, Application Server setup, and Stack Monitoring using Ansible Playbooks and integrated Ansible with Jenkins, also provisioned and patched servers using Ansible.
* Experienced in Docker and Ansible to build automation pipelines and Continuous Deployment for code using Jenkins and wrote Ansible Playbooks to automate Ansible Servers using YAML scripting.
* Configured applications that run multi-container Docker applications by utilizing the Docker-Compose tool, which uses a file configured in YAML format. Used Kubernetes to manage containerized applications using its node, Config Maps, selector, services, and deployed application container as Pods.
* Deployed Windows Kubernetes cluster with Azure Container Service (ACS) from Azure CLI and Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test and deploy.
* Setting up Kubernetes (K8s) clusters for running microservices and pushing them into Production with Kubernetes backed Infrastructure.
* Hands-on experience in working with system health and performance Monitoring Tools like Splunk and replaced Splunk logging and analytics, increasing data capture capacity and reducing costs with Azure networking solutions.
* Integrated Splunk Enterprise with Dynatrace to monitor the performance of the application Data Mesh, managing Splunk Forwarder on a centralized deployment server.
* Involved in setting up JIRA as a defect tracking system and configured various workflows, customizations, and plugins for JIRA bug/issue tracker for creating bug tickets, storyboarding, pulling reports from the dashboard, and experience working with Atlassian JIRA management tools and confluence page tools.
* Developed a Shell script for real-time monitoring and reporting of the status of the application servers with Test Driven Development (TDD).
* Involved in Troubleshooting all aspects of the Unix/Centos/RedHat/Linux Operating environments and coordinated with all the teams before and after the production deployments for smooth Production releases.
* Flosum deployments with Salesforce Components and managing code promotion between environments.

**Environment:** Azure, Kubernetes, Data Lake, Data Factory, Docker, Salesforce, Jenkins, Ansible, Jira, Confluence, Azure DevOps, Azure Function app, Azure Service Bus, Git-Hub, SOQL, PowerShell Windows, Terraform, JIRA, Shell Script, Python, Linux, Dynatrace, Splunk.

**Client: Health Partners**   **May 2017 – June 2021**

**Role: DevOps/AWS Engineer**

**Responsibilities:**

* Proficient with cloud services like Amazon Web Services and Google Cloud Platform.
* Extensive experience in configuring Amazon EC2, Amazon S3, and static hosting, RDS Amazon Elastic Load Balancing, Cloud Front, Elastic Bean Stalk, IAM, and Security Groups in Public and Private Subnets in VPC and other services in the AWS.
* Ability in development and execution of Shell Scripting.
* Maintained the user accounts **(IAM)**, **RDS**, **Route 53**, **VPC, RDB**, **Dynamo DB**, **SES**, **SQS,** and **SNS** services in the **AWS cloud**.
* Setup and build AWS infrastructure various resources **VPC, EC2**, **S3**, **IAM**, **EBS**, **Security Group**, **Auto Scaling**, and **RDS** in **Cloud Formation templates**
* Strong understanding of cloud platforms (IaaS, PaaS, SaaS)
* Worked on Amazon **IAM** service to grant permissions and resources to users. Managed roles and permissions of users with the help of **AWS** **IAM**.
* Good exposure to multiple roles as a Developer, Build, and Release engineer.
* Proficiency with Version Control Systems like **GIT**.
* Experience in setting up **Jenkins** Server environment, configurations, and full CI/CD pipeline creation.
* Helped to create and maintain a system for managing the images of TeamCity agents, including cloud and conventional agents.
* Automated the deployment and upgrading of the infrastructure of the **TeamCity** server
* Development of the company´s internal CI system, providing a comprehensive **API for CI/CD**
* Ability to configure GIT webhooks.
* Involved in supporting cloud instances running Linux and Windows on AWS, experience with **Elastic IP, Security Groups, and Virtual Private Cloud in AWS, AWS cloud-native, AWS cloud foundation**
* Experience with messaging tools like **MSMQ** and **Kafka**
* Worked with the development team on enforcing source control strategies, building, packaging, and deployment of products.
* Configured **SonarQube** and integrated it with **Jenkins** to measure and analyze the source code quality.
* Created **Docker images** using a **Docker file**, worked on **Docker container** snapshots, removed images, and managed **Docker volumes**.
* Experience in Software Integration, Configuration, building, automating, managing, and releasing code from one environment to another environment and deploying to servers.
* Notify Broken builds to appropriate Team / Team Members and enable for a successful build.
* Worked with **Terraform** to create AWS components **like EC2, IAM, VPC, ELB, and Security groups**.
* Provide support to Production, Development environments and support TDD.
* Developing and maintaining scripts to automate the build, and packaging as well as automation of time-consuming, error-prone tasks associated with the build.
* Installed and configured **Kubernetes and Docker**.
* Installed and configured **Kubernetes UI** for better visualization of the Cluster.
* Configured health check for **Kubernetes Pods**.
* **Use Kubernetes to deploy Docker containers into Pod Clusters on multiple Nodes.**
* Troubleshoot Kubernetes Issues in the Clusters environments.
* Migrating servers, databases, and applications from premise to AWS and Azure.
* Experience with **GIT** and **TFS** version control systems.
* Developing a Continuous Delivery (CD) PIPELINE with **Docker, Jenkins, and GitHub**.

**Environment:** Subversion, GIT, Rundeck, Anthill pro, Java/J2EE, ANT, PUPPET, Ansible, MAVEN, DOCKER, Saltstack, Sonar Qube, JIRA, LINUX, XML, VMware, Kubernetes, Jenkins, TeamCity, Windows XP, Windows Server 2003, Web logic, AWS, Cassandra, MY SQL, NTBuild, Perl Scripts, Shell scripts, WLST,Apache,Tomcat,.Net.

**Genpact**  **July 2013- Aug 2016**

**Role: Linux Systems Engineer**

**Responsibilities:**

* Setting up the Ansible control machine (RHEL7) and configuring the remote host inventories via SSH.
* Worked closely with the other development and operations teams to understand complex product requirements and translate them into automated solutions.
* Involved in AWS architectural design to provision the AWS resources.
* Designed and implemented Continuous Integration and Continuous Deployment frameworks from code to deployment using **Jenkins.**
* Designed and implemented automated provisioning and configuration frameworks in support of infrastructure-as-code.
* Setting up the Server spec locally and writing the test cases to check the configurations and impotency of the remote servers. ss
* Versioned the playbooks on the source code management tool **GitHub**.
* Used Jira for tracking and ticketing.
* Provided POCs to provision the AWS infrastructure using Ansible playbooks which includes checking the health status, monitoring, and gathering facts about the ec2-instances, elastic load balancers, auto-scaling groups, and other AWS resources.
* Integrating Nagios with other monitoring
* Involved in writing the packer scripts to generate the machine images for AWS.
* Managed the AWS cost-cutting by writing the Ansible playbook for auto start/stop of AWS resources at a particular time of the day by triggering it from Jenkins.

**Environment:** Subversion, ANT, PUPPET, Ansible, MAVEN, DOCKER, Sonar Qube, JIRA, LINUX, XML, VMware, Kubernetes, Jenkins, Windows, Web logic, AWS, MY SQL, NTBuild, Perl Scripts, Shell scripts, WLST, Apache, Tomcat, .Net.

**Education**

Master of Science in Information technology – Minnesota State University, Mankato – May 2018

Bachelor in technology in Information Technology – GMR Institute of Technology – May 2013.