**Professional Summary**

**Over 12+ years** of IT experience in Network Administration, Troubleshooting, Database Administration IT industry with major focus on Configuration Management, Build & Release Management and Continuous Integration/Continuous Deployment automation.

* Enthusiastic **Azure DevOps Engineer** with **6+** years of experience in planning, designing, implementing, and maintaining system applications in **Azure** Cloud for Linux and Windows environments. Exposure to other Cloud Platforms like **AWS** and **GCP**.
* Worked as **DevOps** **Engineer** in dynamic environments and demonstrated hands-on experience in designing, building, and automating cloud infrastructures on Amazon cloud.
* Extensively worked on **Jenkins** for continuous integration and for End-to-End automation for all build and deployments.
* Extensively worked on **Terraform, Infrastructure as Code** (**IAC**) model, and the ability to optimize the deployment of applications to achieve business outcomes through automation.
* Experience in orchestrating docker containers on **RedHat OpenShift** Platform.
* Installed and configured an automated tool **Puppet**that included the installation and configuration of the **Puppet**master, agent nodes and an admin control workstation.
* Deployed Puppet, **Puppet** Dashboard and Puppet DB for configuration management to existing infrastructure.
* Strong experience in **DevOps** Environment by enhancing **Continuous Delivery** and infrastructure change by using **Chef,** **Ansible, Kubernetes** and **Docker** to deploy code with **GIT, Jenkins**.
* Experience with **Ansible Playbooks** which is the entry point for Ansible provisioning, where the automation is defined through tasks using **YAML** format. Run Ansible scripts to provision Dev servers.
* Experience with **Docker** Containerization.
* Done **Orchestration** and **Configuration Management** of middleware and applications deployment by writing **Ansible Playbooks** and pushing them into environments.
* Created infrastructure in a coded manner (infrastructure as code) using **Puppet** and **Chef** for configuration management of virtual environments, and **Vagrant** for virtual machine and resource control.
* Automation of infrastructure using Terraform and Packer
* Managed a PaaS for deployments using **Docker, Kubernetes** and **Puppet** which reduced considerably deployment risks.
* Installed and configured an automated tool **puppet** that included the installation and configuration of the puppet master, agent node and an admin control work station.
* Created and wrote shell scripts (Bash), **Ruby**, **Python** for automating tasks.
* Hands on Experience with **Docker** container in the Automation Deployment.
* Knowledge on several Docker components like Docker Engine, Hub, Machine, Compose and Docker Registry.
* Managed **Playbooks** and **Playbook directories** by placing your playbooks into **GIT.**
* Configured **Jenkins job** with Ansible-Jenkins **Plugin** to setup CI for **Ansible playbooks.**
* Deployed **Splunk** cluster and made changes to Cluster Configuration through **Ansible.**
* Interface with development groups within organization as the IT liaison for Development Cycles/Software
* Experience working with **Nexus** **Repository** **Pro**.
* Manage and administer **JIRA/Confluence/Bitbucket** add-ons, plugins, and extensions
* Document results of JIRA workflows and process audits
* Develop guides and documentation for **JIRA** features and best practices
* Responded to all incoming questions and inquiries related to **JIRA** applications.
* Prepared projects, dashboards, reports and questions for all **JIRA** related services
* Building **Fault-Tolerant** and **High Availability** applications on the AWS infrastructure by configuring **Auto Scaling** behind **Elastic** and **Application Load Balancers.**
* Performed **Continuous Delivery** in a microservice infrastructure with **AWS cloud, Docker** and **Kubernetes.**
* Worked with broad range of AWS Cloud Services like **EC2, ELB, Auto Scaling, VPC**, **Route53, RDS, S3, IAM, SNS, SQS**, **DynamoDB** and **Cloud Watch** and have good knowledge on other cloud services
* Creating and versioning of AWS resources from scratch in multiple regions and in different environments using cloud formation templates
* Managing **S3** Bucket **Lifecycle Policies, ACL** and enabled **MFA** for providing **Security** to objects and Improved throughput by Uploading **S3** Objects Using Multipart Upload and **Transfer Acceleration.**
* Maintaining infrastructure **Highly Available** by **Route 53** using **Failover** and **Latency Based Routing Policies.**
* Troubleshooting IP traffic by **VPC Flow logs** and stored data in **CloudWatch** Logs**.**
* Worked with **ELK** (Elastic search, Log stash, Kibana) for monitoring the servers.
* End to End solution for hosting the web application on AWS cloud with integration to **S3 buckets**
* Installing, configure and maintain the **Docker** environments to house all **microservices**
* Experienced in Installs, Upgrades, Patches, Configuration, performance tuning on **UNIX** and system software &amp; hardware.
* Experience in Installing, configuring and maintaining **Samba, Web Sphere & amp, Web Logic** Application Servers, Nagois and Chef.
* Supported AWS Cloud environment with 200+ AWS instances and configured **Elastic IP &amp**; Elastic Storage, also experience working on implemented security groups.
* Knowledge of **Big data and Hadoop** ecosystem and its components like **HDFS, Hive, Pig, Scoop** and **Hbase**.
* Knowledge on NoSQL database like **Cassandra** and **MongoDB**.
* Efficiency in installing, configuring and implementing the LVM, and RAID Technologies using various tools like Veritas volume manager, Solaris volume manager.
* Experience in configuration of **NIS, NIS+, DNS, DHCP, NFS, LDAP, SAMBA, SQUID**, post fix, send mail, ftp, remote access, security management and Security trouble shooting skills.

**Technical Skills**:

|  |  |
| --- | --- |
| Versioning Tools | Tortoise SVN, GIT, GIT HUB, Code Commit |
| Bug Tracking Tools: | JIRA, IBM ClearQuest, Mingle |
| CI Tools | Nagios, Chef, Puppet, Vagrant, Maven, Ansible, Docker, Gradle, |
| Build Tools: | ANT, MAVEN and TeamCity, Code Deploy |
| Scripting | Bash, Python, VM ware, Ruby |
| Web Technologies: | Servlet, JDBC, HTML, JavaScript, XML, AWS. |
| Web servers: | Web logic, Web Sphere, Apache Tomcat, JBOSS. |
| RDBMS | Oracle, SQL SERVER, MYSQL, DB2 |
| Operating Systems: | Red hat, Core OS, Ubuntu, Linux and WINDOWS. |

**Professional Experience:**

**Butcherbox.com**

**Role: DevOps Engineer**  **Jan 2022 – Till Date**

Roles & Responsibilities:

* Maintain Existing Environment and also work on building new environment (Green Field)
* Working on **Microsoft Azure** as the primary cloud apart from using **AWS** for the **DATA** team**.**
* Worked as an **SRE** and was rostered and performed on-call duties.
* Setup and use **Datadog** for monitoring alerts.
* Used **GITHUB** for the **CI/CD** pipeline setup.
* Build Green field environment from scratch.
* Setup pipeline for **DATA** Team for their deployments.
* Work with both **frontend** and **backend** teams to maintain, troubleshoot existing pipelines along with handling requests to build new pipelines.
* Use **Terraform** for setting up the new environment.
* Setup a new pipeline for **Contentful** deployments.
* Help migrate to **Shopify** platform.
* Used **Agile** process.
* Setup **Self-Hosted runners** to **reduce cost** as we were running over our **GITHUB** monthly quota.
* Migrated most of the long runners to these Self-hosted runners as a cost cutting measure.
* Perform regular audits of **Datadog** monitors and update them to suit the dynamic requirement to ensure smooth running of the platform.
* Setup new monitors using **Datadog** when ever needed.
* Create new resources in **Azure Cloud** using **IAS**(Infrastructure-as-a-code) using **Terraform**.
* Modernizing the existing pipelines.
* **Audits** on the cloud **resources** to optimize and as part of **cost cutting** measure.
* Perform **Pipeline Audits** and standardize them.
* **Secrets** management using **Azure Key Vault**.
* Troubleshoot issues related to Build and Release for dev teams.
* Represent and be an official spokesperson for the team in Scrum-of-scrums meetings. .
* Worked on this project from the drawing board as this project was built from the ground up where there was no infra or code earlier.
* Create new resources in **Azure Cloud** using **IAS**(Infrastructure-as-a-code) using **Terraform**.
* Is responsible for using various pipeline codes for deployment into various environments (i.e. test, Dev, Prod, etc).
* Is also responsible for setting up a stable platform and taking care of its maintenance needs.
* Will also have to work as an administrator (i.e. user access, user permissions) for all the tools used by the team.
* Used **Kubernetes** for auto scaling.
* Deploying code in various environments (QA, Dev, etc.) using Azure Cloud Platform.
* Is responsible to ensure that all the applications are responding at all the times and plan regular maintenance to ensure that they continue a stable performance.
* Is responsible for automating the repetitive tasks to ensure that the team focuses more on development and other tasks rather than repeating the same tasks again and again.

**Client: Humana**

**Role: Lead DevOps Engineer**  **Apr 2020 – Dec 2021**

Roles & Responsibilities:

* Working on **Microsoft Azure.**
* Work on both Development and Operations part of the organization.
* Is responsible to setup and follow the Agile process.
* Work involves him in designing various methodologies and working on tools to reduce the time taken for fully executing a project from scratch.
* Work involves using various tools that will integrate the code and other methods like testing using **CI/CD** process using **Azure DevOps** tool for CD/CD.
* Worked on this project from the drawing board as this project was built from the ground up where there was no infra or code earlier.
* Setup the CI/CD pipeline from for the code deployment into Azure Cloud.
* Create new resources in **Azure Cloud** using **IAS**(Infrastructure-as-a-code) using **Terraform**.
* Is responsible for using various pipeline codes for deployment into various environments (i.e. test, Dev, Prod, etc).
* Is also responsible for setting up a stable platform and take care of its maintenance needs.
* Will also have to work as an administrator (i.e. user access, user permissions) for all the tools used by the team.
* Is responsible for migration of various tools and application to cloud platform when needed.
* Deploying code in various environments (QA, Dev, etc.) using Azure Cloud Platform.
* Is responsible to ensure that all the applications are responding at all the times and plan regular maintenance to ensure that they continue a stable performance.
* Is responsible for documenting all the work that he has done on a regular basis in the internal site for reference.
* Is responsible for containerizing the applications and tools using Docker.
* Is responsible for automating the repetitive tasks to ensure that the team focuses more on development and other tasks rather than repeating the same tasks again and again.
* Is responsible for moving the fully built code into antifactory to be ready to deploy in various environments, we use **JFrog** Artifactory in this project.
* Worked on checking the code vulnerability to ensure that security aspect is taken when the code is deployed using **SonarQube** which was added as a task in the Build Pipeline.
* Working on various tickets assigned on a regular basis.
* Work involves working 40% on development and 60% on Operations tasks for the organization.
* Will check the fault tolerance and ensure that failover clusters are working on a regular basis.
* Do prototypes for various newer technologies to see how they can help our projects POC.
* I was available on a 24/7 basis during deployments and upgrades.
* Have planned the upgrades to ensure that they do not cause interruption to work.
* Work also involves working on any unplanned outages which occur at times.

**Santander Bank**

**Dorchester, MA**

**Role: DevOps Engineer**  **Jun 2019 – Mar 2020**

Roles & Responsibilities:

* Working on **OpenShift** along with Pivotal cloud services.
* Created scripts in **Python** which integrated with **API** to control instance operations.
* Configured **Provisioned IOPS** instances for databases **PostgreSQL** and maintained instances securely by using **NAT Gateway, Private Subnets**, **Security Groups, VIP** and **NACL** in custom **VPC.**
* Used **Jenkins** for continuous integration and build automation to create/pull/retag the **Docker images**.
* Used **Docker** Containers to Build **Microservices** Architecture.
* Maintaining infrastructure **Highly Available** using **Failover.**
* Troubleshooting IP traffic by **VPC Flow logs.**
* Tracked **infrastructure** changes and Optimized resources.
* Worked with **ELK** (Elastic search, Log stash, Kibana) for monitoring the servers.
* Deploying application using **Jenkins server** & **CI** to run the unit tests. Troubleshoot build and release job failures, resolve, work with engineering on resolution.
* Develop and maintain application tools that build, deploy, automate, and streamline the **CI/CD** processes.
* Migrated from **Chef** to **Docker** and **Kubernetes** by using **Blue/Green Deployment.**
* Automate the Build, Release and the Continuous Delivery Pipeline.
* Writing **Pod Configurations** with multiple **Containers** using different **Docker Images.**
* Provisioning and infrastructure automation in IaaS and PaaS environment in **Pivotal Cloud Foundry.**
* Experience with **Bitbucket**with **JIRA** and **bamboo** for the tracking of the issue and continuous integration.
* Automated **RabbitMQ** cluster installations and configuration using Python/Bash.
* Administrated all aspects in **GIT** and did trouble shooting with merge conflicts.
* Automated the cloud deployments using Puppet, python (boto & fabric) and AWS Cloud Formation Templates.
* Used **Redis** Cache for high performance, which creates space for new data by removing old data.
* Integrated **JIRA** in with **SVN** and dealing with its administration in change management process.
* Converted and automated builds using Ant and Maven. Scheduled automated nightly builds using Hudson and maintained Continuous integration effort with Hudson along with scheduled builds.
* Manage and administer **JIRA/Confluence/Bit Bucket** add-ons, plugins, and extensions
* Document results of JIRA workflows and process audits
* Develop guides and documentation for **JIRA** features and best practices
* Responded to all incoming questions and inquiries related to **JIRA** applications.
* Prepared projects, dashboards, reports and questions for all **JIRA** related services
* Virtualized the servers using the Docker for the test environments and dev environments needs. And, configuration automation using **Docker** containers.
* Enabling customers to better manage software development, deployments and infrastructure with tools such as **Puppet, Jenkins** and **GIT Hub**.
* Used Redis cache for storing commonly used info and propagate the changes using **RabbitMQ**.
* Worked with **Nexus** Repository Pro.
* Experience working in environments using **Scrum**, **Kanban** and **SAFe** **Agile** frameworks.
* Managed **Playbooks** and **Playbook directories** by placing your playbooks into **GIT.**
* Configured **Jenkins job** with Ansible-Jenkins **Plugin** to setup CI for **Ansible playbooks.**
* Insisted & migrated projects from **Cruise Control** to the **Jenkins CI tool** and **ANT**, Ant to Maven.

**Environment:**

OpenShift, PostgreSQL, SNS, SQS, Maven, Linux, Kinesis, GitHub, Puppet, Ansible, Bamboo, OpenStack, Docker, Agile, Kubernetes, microservices, Terraform, Apache, Confluence, Putty, GIT, HTTPD, Cucumber, Selenium, Apache, SDN, Json, Bash, Shell, Java, Perl, Python, PHP

**GNR Systems Inc.**

**Role: DevOps Engineer** **June 2017 – May 2019**

Roles & Responsibilities:

* Worked with broad range of AWS Cloud Services like **EC2, ELB, Auto Scaling, VPC**, **Route53, RDS, S3, IAM, SNS, SQS**, **DynamoDB** and **Cloud Watch** and have good knowledge on other cloud services.
* Configured **Provisioned IOPS** EC2 instances for databases **MySQL** and maintained instances securely by using **NAT Gateway, Private Subnets**, **Security Groups, VIP** and **NACL** in custom **VPC.**
* Secure data at rest by in **S3** by **SSE-S3** and encrypted **AMI**s by using **CMK** and managed encryption keys by using **AWS** Key Management Service**.**
* Managing **S3** Bucket **Lifecycle Policies, ACL** and enabled **MFA** for providing **Security** to objects and Improved throughput by Uploading **S3** Objects Using Multipart Upload and **Transfer Acceleration.**
* Maintaining infrastructure **Highly Available** by **Route 53** using **Failover** and **Latency Based Routing Policies.**
* Used Celery as task queue and **RabbitMQ**, **Redis** as messaging broker to execute asynchronous tasks.
* Troubleshooting IP traffic by **VPC Flow logs** and stored data in **CloudWatch** Logs**.**
* Tracked **infrastructure** changes and Optimized resources using **Cloud Health.**
* Worked with **ELK** (Elastic search, Log stash, Kibana) for monitoring the servers.
* End to End solution for hosting the web application on AWS cloud with integration to **S3 buckets**.
* Deploying application using **Jenkins server** & **CI** to run the unit tests. Troubleshoot build and release job failures, resolve, work with engineering on resolution.
* Develop and maintain application tools that build, deploy, automate, and streamline the **CICD** processes.
* Migrated from **Chef** to **Docker** and **Kubernetes** by using **Blue/Green Deployment.**
* Automate the Build, Release and the Continuous Delivery Pipeline.
* Have been using **Docker** Containers to Build **Microservices** Architecture.
* Used **MsBuild** and **Jenkins** for continuous integration and build automation to create/pull/retag the **Docker images** and push the image to a **Docker registry** in the Aws cloud.
* Writing **Pod Configurations** with multiple **Containers** using different **Docker Images.**
* Provisioning and infrastructure automation in a IaaS and PaaS environment in AWS, Azure, **Pivotal Cloud Foundry.**
* Experience with **Bitbucket**with **JIRA** and **bamboo** for the tracking of the issue and continuous integration
* Administrated all aspects in **GIT** and did trouble shooting with merge conflicts.
* Automated the cloud deployments using Puppet, python (boto & fabric) and AWS Cloud Formation Templates.
* Integrated **JIRA** in with **SVN** and dealing with its administration in change management process.
* Converted and automated builds using Ant and Maven. Scheduled automated nightly builds using Hudson and maintained Continuous integration effort with Hudson along with scheduled builds.
* Manage and administer **JIRA/Confluence/Bit Bucket** add-ons, plugins, and extensions
* Document results of JIRA workflows and process audits
* Develop guides and documentation for **JIRA** features and best practices
* Responded to all incoming questions and inquiries related to **JIRA** applications.
* Prepared projects, dashboards, reports and questions for all **JIRA** related services
* Virtualized the servers using the Docker for the test environments and dev environments needs. And, configuration automation using **Docker** containers.
* Enabling customers to better manage software development, deployments and infrastructure with tools such as **Puppet, Jenkins** and **GIT Hub**.
* Managed **Playbooks** and **Playbook directories** by placing your playbooks into **GIT.**
* Configured **Jenkins job** with Ansible-Jenkins **Plugin** to setup CI for **Ansible playbooks.**
* Deployed **Splunk** cluster and made changes to Cluster Configuration through **Ansible.**
* Used **Power Shell** for Dev Ops in Windows-based systems.
* Insisted & migrated projects from **Cruise Control** to the **Jenkins CI tool** and **ANT**, Ant to Maven.
* Built **Puppet** manifests and bootstrap scripts to allow us to bootstrap instances to various roles without having to maintain AMIs
* Worked with optimization of server resources, Amazon Elastic Cloud instances and website security, **Mule ESB (EAI)/Service Mix, Web services /REST, Amazon AWS, Puppet**.
* Deployed **Puppet** for configuration management to existing infrastructure.

**Sutherland Global Services**

**Client: Allscripts**

**South Burlington, VT**

**Role: Build Release Engineer Nov 2013 – Mar 2015**

**Roles & Responsibilities:**

* Managed and monitored **AWS** **resources** in multiple regions by creating custom console by **Resource Groups**.
* Versioned **CloudFormation** templates, created and managed AWS **Stack** and integrated with **CloudTrail** and stored in **GIT** and visualized **CloudFormation** templates as diagrams and edited them with the AWS **CloudFormation Designer**.
* Created custom **JSON** policies for **User Accounts, Groups, Roles** and granting required access **Permissions** and **Privileges** to the users and services using **IAM.**
* Provisioned servers using AWS and launching **EC2** and **RDS,** created **security groups, auto-scaling groups, NACL**s**, Private & Public subnets, Firewalls, DNS** and **ELBs** in custom **VPC’**s.
* Deployed **Single tier** web applications with **Elastic Beanstalk** and services with **Java, PHP**, **Node.js** on servers such as **Tomcat, Nginx.**
* Encrypted Data at rest by Installing **SSL** certificates on **Elastic Load Balancer** and load balanced traffic.
* Created **Read Replicas** and enabled **RDS** **Multi-AZ** for **MySQL** and **Oracle** Databases for **High Availability** and **Disaster Recovery.**
* Provisioned Cache Cluster in **ElasticCache** for read-heavy application workloads for **Session** **Management** and **Tracking** by using **Redis** search engine.
* Worked closely with software developers and DevOps to debug software and system problems.
* Managed GIT repositories for branching, merging, and tagging.
* Deployed Puppet, Puppet dashboard for configuration management to existing infrastructure.
* Used **Puppet** to manage Web Applications, configure Files, Data Base, Commands, Users Mount Points, and Packages.
* Deployed **Puppet**, **Puppet Dashboard** and **PuppetDB** for configuration management to existing infrastructure.
* Wrote Puppet models for installing and managing java versions.
* Used **AGILE MVN** method to develop a build and ANT as a build tool.
* Created scripts in **Python** which integrated with Amazon API to control instance operations.
* Involved in using AWS for storage and during times of disaster recovery.
* Imported and managed multiple corporate applications into GitHub code management repo.
* Performed all necessary day-to-day Subversion/**GIT** support for different projects.
* Provided level one support for build troubleshooting and production issues.
* Performed testing using **Chef Zero**, **Test** **Kitchen,** **Foodcritic** and managed **Configuration Drift** by **Chef Convergence.**
* Hands on experience on **PMD and Cobertura** for good coding standards**.**
* Building Cookbooks in **Ruby** and managing node **run tests** and pushing them into **Chef Server.**
* Have implemented **Chef** provisioning for the creation of on reserved and demand instances and instance infrastructure using the chef-client and bootstrapping using plugins against **Amazon** **EC2.**
* The process to support the automation of **builds**, **deployments**, **testing** and infrastructure

**Environment:** Java, ANT, Maven, SVN, Puppet, Linux, AWS, OpenStack, Shell/Perl Scripts, Python, SCM, GIT, Jenkins, Tomcat, Jira.

**DELL**

**Hyderabad, India**

**Role: Build Release Engineer Nov 2010 – Oct 2013**

**Roles & Responsibilities:**

* Build/Release Management and Cloud Management.
* Manage and Configure Apache web servers by using Ansible and Jenkins.
* Worked on facts, forks, plays in Ansible while configuring the infrastructure.
* Used ANT and MAVEN as build tools on Java projects for the development of build artifacts on the source code.
* Managed Git repository, code merging, and production deployments.
* Analyze and resolve conflicts related to merging of source code for SVN and Git.
* Implement, maintain and support reliable, timely and reproducible builds for project teams
* Maintained build related scripts developed in shell for Maven builds. Created and modified build configuration files including POM.xml.
* Project also involves migrating an On-Premises infrastructure set up to AWS that involves creation of automation scripts and integrating with continuous integration channels using Rundeck.
* Experience on working with build pipelines - ANT Scripts, MAVEN, Gradle and Shell.
* Using Amazon RDS Multi-AZ for automatic failover and high availability at the database tier for My SQL and NoSQL workloads.
* Branching, Tagging, Release Activities on Version Control Tools: SVN, GitHub.
* Used JIRA tool to track all the defects and changes related to build and Release Team.
* Worked with Nagios and Oracle Enterprise Manager console for application status monitoring.
* Responsible for scheduling release promotions to Test, Training, Validation, Production and DR environments and preparing Release Notes.

**Environment**: AWS Cloud, RedHat, Linux 7.x, Chef, Jenkins, Nexus, Shell, Python, WebLogic Server 11g, Apache Tomcat 7.x, Maven, Puppet, Nginx, MySQL, NoSQL, Active Directory XML, Github, Nagios, Subversion, Maven, GIT.

**DELL**

**Hyderabad, India**

**Role: Advanced Resolution Expert Nov 2006 – Oct 2010**

**Roles & Responsibilities:**

* Worked as Advanced Resolution Expert (B1) For XPS Premium Hardware Support for the USA and Canada region.
* Helping Dell USA business consumers with complete Hardware and Software support by guiding them in a step by step manner. Also Support Dell printers.
* In the cases where we determine that it’s a hardware issue we send the parts to a local Dell technician to be replaced on the computer and do a follow up to ensure that he goes to the customers place and replaces the required parts to resolve the issue. We always take ownership of the issues we handle and do a follow up until its resolved.
* Helping with basic to complex technical and networking questions.