Professional Summary:

* Over 9+ **years** ofextensive experience in **infrastructure implementation**, deployment, testing, documenting and maintenance of Client/Serverworking with **DevOps/SRE** and **AWS,GCP, Azure** Automation, Configuration and Deployments, Cloud computing, Networking & Software configuration Management.
* Experienced Configuration Management, Continuous Integration, Continuous Deployment, Release Management and Cloud Implementations.
* Expertise in setting up DevOps environment from scratch projects. proven expertise in Design, Development and Automation.
* In depth understanding of Azure Service Offering implementation processes, such as Azure Cloud Services, Azure Storage, Azure Active Directory (AD), Azure Resource Manager (ARM), Azure Storage, Azure Blob Storage, Azure VMs, SQL Database, Azure Functions, Azure Service Fabric, Azure Monitor and Azure Service Bus.
* Experience to setup SCM(SVN & GIT) servers and designed branching and workflow strategies for entire project and maintaining versions across various environments.
* Expertise in using build tools like MAVEN and ANT for the building of deployable artifacts such as WAR, JAR and EAR packaging from source code.
* Strong ability to troubleshoot any applications issues generated while building, deploying in Lower and production environments.
* Highly motivated and committed DevOps Engineer experienced in Automating, Configuring and deploying instances on AWS, Open Stack cloud environments and Data centers, also familiar with EC2, Cloud watch, Elastic search and managing security groups on AWS.
* 2+ years of experience with SRE activities on Production environment.
* Experienced in deploying code using Ansible and Terraform.
* AWS Components used: EC2, S3, VPC, RDS, ELB, Auto scaling, IAM, Cloud Formation, Route53, RDS, SNS, SQS, ECS, EKS etc.
* Implemented multiple CI/CD pipelines as a part of DevOps role for on-premises and cloud-based software using Jenkins, Ansible, AWS, GCP, Docker and Kubernetes
* Expertise to setup Chef Automation, Ansible environments and other DevOps tools such as Bitbucket, Jenkins, SVN, Docker, Kubernetes and other tools.
* Involved in setting up Jenkins Master and multiple slaves for the entire team as a CI tool as part of Continuous development and deployment process.
* Performed continuous Build and Deployments to multiple environments like Dev, QA, UAT, STG and Prod.
* Proficient in Administrating Azure IaaS/PaaS services like compute Azure Virtual Machines, Web and Worker roles, VNET, Network services, Azure DevOps, SQL Databases, Storages, Azure Active Directory, Monitoring, Autoscaling, PowerShell Automation, Azure Search, DNS, VPN.
* Extensive experience in migrating on-premises applications to Azure and configured VNETs and subnets as per the project requirement and performed PowerShell scripting to do Patching, Imaging, and Deployments in Azure.
* Hands on experience in writing Azure Resource Manager (ARM) to deploy, update and delete multiple resources in Azure and migrating the on-premises resources to Azure with Azure Site recovery (ASR) and Azure backups.
* Experience in Azure IaaS - Virtual machines, VM Scale Sets, Load Balancer, Traffic Manager, Virtual Networks, SQL, Resource Groups and Cloud Services.
* Integration (CI/CD) and for End-to-End automation for all build and deployment and worked on chef Recipes and cook books to simplify and expedite deployment of applications.
* Highly Self-Motivated with Strong communication and Professional Skills.
* Experienced in developing web applications using Sitecore CMS, ASP. NET MVC 3/4/5, Web forms and, C #, ADO.NET, Entity Framework, Visual Studio, Linq, jQuery, Java script, CSS.
* Experience in Sitecore CMS like creating Templates, Layouts, Renderings, Rules Engine, Custom Pipelines, Sitecore API, Roles & Authorization, Workflows, Publishing, Deployment, Packages, Subsites, Multilingual websites, Migration, Scaling ..etc.
* Experience in creating and consuming enterprise level Web Services, WCF and Web API using .NET and also expertise in 3rd party API integration like Facebook, Twitter, Social cast Auth2.0.
* Solid experience in all phases of Software development, life cycle starting from application business requirement gathering, analysis, design, coding, implementation and support.
* Responsible for infrastructure design & implementation and Library and service integration.
* Responsible for the requirements gathering and standardization of data services lifecycle.
* Independent contributor and communicator with business partner to resolve issues and negotiate project related items such as priorities and completion deadlines.
* Experience in troubleshooting, log analysis and providing 24X7 operational support.
* Experienced in working with remote teams in global environment. Flexible and adaptive to project dynamics and be self-learner and self-driver of assigned tasks.

**Technical Skills:**

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| --- | --- |
| **Cloud Environment** | AWS, Azure,GCP |
| **Version Control Tools** | SVN, Bitbucket, Git Lab |
| **Build Management Tools** | Ant, Maven (3.0.x) |
| **Continuous Integrations Tools** | Jenkins, Teamcity. |
| **Scripting** | Shell Script, Ruby, YAML, XML, Python |
| **IAC language** | Cloud Formation, ARM templates, Terraform, Vagrant |
| **Configuration Management Tools** | Chef/Ansible |
| **Databases** | Oracle, MS SQL Server, MongoDB |
| **Artifact Servers** | Nexus, Jfrog |
| **Containerization** | Docker, Kubernetes |
| **Scripting** | Shell Script, Groovy, Python Yaml, Ruby scripts, XML scripts. |
| **Documentation** | Microsoft Suite, Confluence |
| **Ticketing Tools** | Jira, ServiceNow |
| **Webservers** | Apache, Nginx |
| **Monitoring Tools** | Splunk, Datadog, Dynatrace |
| **AWS services** | VPC, Cloud Front, Rout53, IAM, EC2, S3, ELB, RDS, EBS, AMI, Auto Scaling, CloudWatch, ECS, API Gateway, Elastic Search, AWS Cost, Cloud Trial, EKS etc. |
| **Azure services** | Azure DevOps, Service Bus, Function App, Web Apps, Event hub, Azure sql, Storage account azure active directory Monitoring, Account Load balancer |
| **Application Servers** | Tomcat/Jboss, Web Sphere |
| **Networking** | HTTP, SMTP, FTP, TCP/IP, UDP |
| **Virtual services** | Oracle VB, VMware, Vagrant |
| **Operating Systems** | Rhel, Window, Linux/Centos6/7, Unix |
| **Web Technologies** | Asp.Net |

**Professional Experiences:**

**Dish Networks. Littleton, CO August 2021 - Till Date**

**Role: Sr. DevOps Engineer**

**Responsibilities:**

* Setup and build AWS infrastructure various resources VPC, ELB, EC2, S3, IAM, EBS, Lambda, AWS Batch, Kinesis, X-Ray, Service Lens, Event bridge, Step functions, IAM, EFS, Dynamo DB, CloudFormation, Elastic Cache, Elastic search, CloudWatch, Route53, Security Group, Auto Scaling and RDS in Terraform.
* Architected and implemented security to meet PCI requirements using VPC, Public/Private subnets, Security Groups, NACLs, IAM roles, policies, VPN, etc.
* Maintained the continuous Integration and deployment (CI/CD) systems using tools like Jenkins, Run Deck and troubleshoot Run Deck, Jenkins job Failure Issues.
* Implemented Terraform modules for deployment of various applications across multiple cloud providers and managing infrastructure.
* Experience in configuring Gitlab pipelines end to end for provisioning infrastructure using terraform and build and deploy java NodeJS and AngularJS applications.
* Created and configured Cloud watch and Service Lens for micro services to monitor the service activity and performance.
* Led the development of critical components in Rust programming, contributing to the reliability and performance of a mission-critical system.
* Developed and maintained high-performance applications in Rust programming, ensuring code quality, scalability, and adherence to project timelines.
* Utilized Rust's zero-cost abstractions to write clean and expressive code without compromising on runtime performance.
* Optimized critical sections of a system in Rust, resulting in a measurable performance improvement and enhanced user experience.
* Successfully led the migration of a key component from another language to Rust, achieving improved code maintainability and performance.
* Written Ansible playbooks to automate build/deploy process. Experience with Ansible command line interface AD-HOC commands.
* Proficient in utilizing Load Runner with expertise in Java, MQ, and Web service protocols to conduct comprehensive performance testing of applications.
* Experienced in utilizing Blazemeter and Jmeter for performance testing, with a specialization in web services and MQ protocols to assess application scalability and responsiveness.
* Skilled in identifying performance bottlenecks and implementing optimization strategies to enhance application responsiveness and efficiency.
* Extensive experience in creating realistic production workload models to simulate real-world scenarios and assess application performance under varying user loads.
* Conducted in-depth analysis of application scalability, identifying capacity limits and recommending enhancements to accommodate increasing user loads.
* Proficient in analyzing performance metrics such as response times, throughput, and error rates to identify areas for improvement and ensure optimal application performance.
* Developed comprehensive performance test plans, including scenario design, workload modeling, and performance metrics definition, to ensure thorough testing coverage.
* Proficient in generating detailed performance test reports, providing insights into application behavior, identifying performance bottlenecks, and offering recommendations for improvement.
* Conducted in-depth analysis of production workloads to understand resource utilization patterns, identifying opportunities for optimization and ensuring optimal system performance.
* Experience with web deployment technology specifically Linux /Apache/Tomcat
* Configured routing rules in Akamai for large monolithic applications to accommodate routes.
* Implementing cost saving infra on AWS, VMware, Openstack, Data Center Migrations while strengthening Finance compliant Services.
* Experience in working with JMeter to test the micro services.
* Led the implementation of automated security scans using tools like Burp Suite and Fortify, resulting in a significant reduction in manual testing efforts and an improved overall security posture.
* Implemented automated security testing processes utilizing AppSec SE, streamlining the identification of security flaws and accelerating the development lifecycle while maintaining high security standards.Demonstrated expertise in writing and maintaining robust JavaScript and Python scripts for automation, configuration management, and orchestration tasks within the DevOps environment.
* Leveraged JavaScript and Python scripts to automate the deployment process, ensuring rapid and reliable delivery of applications, and reducing manual intervention.
* Developed and maintained Infrastructure as Code scripts using Python and JavaScript, enabling the provisioning and configuration of cloud resources, enhancing scalability and repeatability.
* Utilized JavaScript and Python scripts in conjunction with tools like Ansible and Puppet to manage and enforce consistent configurations across diverse environments, minimizing configuration drift.
* Integrated JavaScript and Python scripts into CI/CD pipelines, enabling automated testing, building, and deployment of code changes, resulting in faster release cycles.
* Experienced in configuring NLB, managing Hardware Load Balancing like F5-BigIP.
* Adopting and Configuring DNS Failovers to create a failsafe environment.
* Utilizing Hashi Corp tools like Packer, Terraform and Consul/Vault for secret storage.
* Experience with automation/configuration management using Chef (More on cookbooks) and responsible for managing the chef client nodes and upload the cookbooks to the chef-server from workstation.
* Used Ansible and Ansible Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications and proactively ranges changes.
* Configured and maintained network related implementation and system securities using Security Groups, SSL Certificates, subnets, Internet Gateways, SSH Keys, AWS Access/Secret keys, IPTables, Network ACLs and different protocols such as SSH, HTTP, HTTPS, and FTP.
* Implemented and configured various Azure services, including App Service, Azure SQL Database, Blob Storage, Key Vault, Virtual Machines and Virtual Networks.
* Utilized Azure Portal and Azure CLI for the provisioning and management of cloud resources.
* Managed and maintained Azure infrastructure to ensure optimal performance, scalability, and reliability of applications.
* Conducted routine monitoring, troubleshooting, and optimization of Azure services.
* Deployed and maintained web applications using Azure App Service, ensuring high availability, fault tolerance and seamless scaling based on demand.
* Implemented and managed Azure SQL Database instances, optimizing database performance and ensuring data integrity.
* Configured and managed Azure Blob Storage to store and retrieve large volumes of unstructured data efficiently.
* Implemented data lifecycle management strategies for cost optimization.
* Set up and managed Azure Key Vault to securely store and manage sensitive information, such as connection strings, API keys, and certificates.
* Implemented security best practices for access control and encryption.
* Worked closely with development teams to understand infrastructure requirements and provided guidance on leveraging Azure services effectively.
* Collaborated on the integration of applications and services with Azure infrastructure.
* Implemented Infrastructure as Code (IaC) using tools like Azure Resource Manager (ARM) templates or Terraform for automated provisioning and deployment.
* Scripted repetitive tasks using Azure PowerShell or Azure CLI for efficient management of resources.
* Conducted performance tuning activities on Adobe Experience Manager to optimize application response times and ensure seamless user experiences.
* Created custom dashboards in Splunk to provide real-time visibility into system health, enabling proactive monitoring and rapid incident response.
* Proficiently utilized logging and monitoring tools like Splunk and Dynatrace to proactively identify, analyze, and resolve system issues, bottlenecks and anomalies.
* Conducted capacity planning assessments to forecast resource requirements, ensuring the scalability and reliability of Adobe Experience Manager deployments.
* Demonstrated hands-on experience with IT Service Management (ITSM) tools, including ServiceNow and Remedy, effectively managing incident tickets and change requests for streamlined operations.
* Implemented performance tuning strategies for Oracle, MongoDB, and PostgreSQL databases, enhancing query execution times and overall system efficiency.
* Applied in-depth knowledge of databases such as Oracle, MongoDB, and PostgreSQL to optimize performance, ensure data integrity, and implement robust backup and recovery strategies.
* Successfully integrated various security suites into the CI/CD pipeline, enabling automated security scans and assessments at every stage of development.
* Provide 24X7 operation and steady state support.

**Environment:** Azure, AWS, GCP,Bitbucket, Jira, IIS, Redhat, Nexus, Kafka, Jenkins, Shell Scripting, Chef, Yaml scripts, WebSphere, AppDynamics, Docker, Tomcat, Oracle, MySQL, Terraform.

**Bank of West, CA June 2018 – August 2021**

**Role: Sr. DevOps engineer/SRE Engineer**

**Responsibilities:**

* Experienced in Automating, Configuring, and deploying instances on AWS cloud environments and Data Centers.
* Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT, Rout53 to ensure successful deployment of Web applications and database templates.
* Create Cloud Formation Templates by using YAML scripts and bring up the AWS services such as EC2, S3, RDS and Security groups for Lower-level Environments.
* Deploying and configuring AWS Web Application Firewall (WAF) on Amazon Cloud Front as a part of CDN solution to block SQL injections and cross-site scripting.
* Created AWS cloud formation templates to create custom-sized VPC, subnets, EC2 instances, ELB, security groups. Managed other AWS Services like S3, Cloud Front, Cloud Watch, Glue, RDS, Kinesis, Redshift Cluster, IAM Roles, Route53, SNS, SQS, Cloud Trail.
* Defined AWS Security Groups, which acted as virtual firewalls that controlled the traffic, allowed reaching one or more AWS EC2 instances.
* Developed custom rule sets within Fortify to address specific security requirements and compliance standards, enhancing the accuracy and relevance of code scans.
* Involved in AWS Cloud Front, including creating and managing distributions to provide access to S3 bucket hosted application and hence providing security to applications (by restricting access to S3).
* Used AWS Beanstalk for deploying and scaling single tier web applications and services developed with Java, PHP, Node.js, Python, Ruby and Docker on familiar servers like Apache.
* Implemented a production ready, load balanced, highly available, fault tolerant, auto scaling Kubernetes AWS infrastructure and micro service container orchestration.
* Provisioned the highly available EC2 instances using Terraform and Cloud Formation and wrote new plugins to support new functionality in Terraform.
* Written Cloud Formation Templates (CFT) in JSON and YAML format to build the AWS services with the paradigm of Infrastructure as a Code.
* Created virtual images like production environment using Docker by writing Docker -compose files.
* Managed Jenkins plugins for Tests, Reports, Notification, and User Authorization & Deployment. Created different branching and merging strategies in GIT.
* Implemented Ansible Playbooks for various Linux roles like Nginx, Redis & common Linux.
* Setup AWS CLI Wrapper and Anaconda prompt in local machine which helps to connect the AWS console after a successful connection. Executed AWS Stack files to bring up the new environment in non-prod AWS Environment.
* Demonstrated strong proficiency in PLSQL, employing advanced querying, maintenance, and optimization techniques to enhance database efficiency and responsiveness.
* Competently managed Linux systems, encompassing server setup, configuration, security measures, and troubleshooting to maintain a stable and secure computing environment.
* Supporting Production and non-production deployment failures, supporting Windows application, Monitoring Slack channel and quick response and bouncing JVMs for multiple applications
* Troubleshooting Splunk Issues and restarting Splunk forwarder and continuously working with different teams for Problem resolution and providing better solution.Utilized Python for data manipulation, analysis, and reporting tasks, providing valuable insights into system performance, resource utilization, and application behavior.
* Administering Windows Applications, services, and Application Pools on IIS. Troubleshooting and log analysis of the applications under steady state support.

**Environment:** AWS, Bitbucket, Jira, Linux, Nexus, TeamCity and Jenkins, Shell Scripting, Chef Automation, Yaml scripts, Saturn Tool, Terraform, Splunk, Dynatrace

**UHG, MN Oct 2015 – April 2018**

**Role: DevOps Engineer**

**Responsibilities:**

* Responsible for the design, implementation, and support of large-scale infrastructure across multiple cloud solutions such as private, Rackspace and AWS supporting the Infrastructure as a Service (IaaS) offering.
* 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.
* Developed, maintained and provided the team with Various Azure DevOps-related tools like deployment tools, staged virtual environments, and provisioning scripts.
* Used Shared Image Gallery to store the created images and built Azure pipelines in Azure DevOps to implement all these services in Azure.
* Structured cluster AutoScaler for Azure Kubernetes Service (AKS) by using Terraform and worked with scheduling, deploying, and managing pods and replicas in AKS.
* Terraform was used along with Packer to create custom machine images, and Ansible was used to install the software dependencies once the infrastructure was provisioned.
* Developed and maintained Continuous Integration (CI) using tools in Azure DevOps (VSTS) spanning multiple environments, enabling teams to safely deploy code in Azure Kubernetes Services (AKS) using YAML scripts.
* Managing the Azure Kubernetes Services( AKS) policies, providing access to different Azure resources and developing and improving the workflows that govern access.
* Experience with version control tools such as GIT and Bitbucket. Comprehensive knowledge of source controller concepts including branches, tags, and merges.
* Migrated Linux Environments to AWS by creating and executing a migration plan, deployed EC2 instances in VPC, configured security groups and NACLs, IPTables, User groups and roles using AWS CloudFormation Templates and Ansible modules
* Involved in installing, configuring, Troubleshooting, System Security, monitoring, managing, maintaining and Performance Analysis of Linux/UNIX/Windows and Cloud
* Involved in Managing network security using AWS Load balancer, F5 Load Balancer, Auto-scaling, Security groups and NACL, AWS CloudFront, Route53, encrypting data using KMS and analyzing the data using AWS Kinesis
* Configured and administered multiple production Red hat 4/5/6 servers across multiple platforms
* Worked on Ftp servers for sending and receiving files between local and remote servers. Administer NFS on Red Hat Linux servers. Involved with the SSL Certificate missing issues and installed certificates from backups
* Created alarms, monitored, and collected log files on AWS resources using Cloud Watch on EC2 instance which generates Simple Notification Service (SNS)
* Created cookbooks for tomcat and WebLogic to provision the Linux servers.
* Managed application specific cookbooks, recipes, roles, data bags & environments in chef.
* Used Docker to deploy application in the form of containers. Worked on the setup of Docker registry and published all the Docker images to that registry.
* Extensively worked on Terraform, which is used to create and compose all the components necessary to run application.
* Responsible for installation, configuration and administration of Sun Solaris 9 and Red Hat Enterprise Linux on x86 archite
* Setting up, configuring and troubleshooting TCP/IP, DHCP, DNS, CIFS, NTP and Samba servers on different multi-platforms (Windows, Linux)
* Administered RedHat Enterprise Linux 5.x/4.x & Solaris 9 servers by testing, tuning, upgrading, patching and troubleshooting both Physical & Virtual server problems
* Installed and configured Disk and file system management using Logical Volume Manager (LVM) for Linux systems
* Local and remote administering of servers, routers and networks using Telnet and SSH login using SSH keygen tools for password-less setup and agent forwarding on Linux
* Responsible for setting up Cronjobs scripts on production server
* Configured LDAP on RedHat for authorization and authentication by configuring LDAP server which is used for authentication using its database
* Managing services, maintaining and managing log files, monitoring events, logs and troubleshooting system problems using Nagios tool and resolve for any reported issues.

**Environment**: Bitbucket, Git bash, SourceTree, Jira, Script Runner, Linux, Windows, AWS, Jfrog, Crucible, SonarQube, Shell Scripting, Docker Fisheye, Jenkins, Chef Automation

**Liberty Mutual, INDIA January 2014 – March 2015**

**Role: System engineer**

**Responsibilities:**

* Automate the Infrastructure and application configuration by writing playbooks and configured Load Balancing in AWS environment.
* Launched servers and configured customized services and AMIs, snapshots, VPCs, subnets, load balancers in AWS.
* Provided expert guidance and training to development teams on best practices for secure coding, emphasizing the importance of secure SDLC tools in identifying and mitigating potential risks.
* Conducted comprehensive penetration testing using Burp Suite and other tools, identifying and validating critical vulnerabilities to provide accurate and actionable remediation recommendations.
* Experience working in TCP/IP components like DNS, DHCP, enabling RDP and disabling firewall
* Working in daily basis code patching and DB patching requests as a SLA based and involved code debugging resolved the issues as a based on SLO agreement.
* Written and update the deployment scripts such as Shell Script and python for the code Automation.
* Involved sprint based tasks like package versions deployment into lower environments and deployed packages into prod which are approved package versions in STG environment.

**Environment**: Docker Enterprise, OCI cloud, Azure, Terraform, Jenkins, Maven, NodeJs, Angular Js, Chef Automation, AWS.