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**PROFESSIONAL SUMMARY:**

* Having **9+ years** of experience in all the areas of Software development life cycle which are Included but not limited to automation, Implementation of CI/CD, System Administration, Cloud computing, Software Configuration Management (SCM), Containerization, orchestration, Scripting for various environments.
* Setup and build AWS infrastructure. Performed data migration from on premises environments into AWS.
* Strong experience of data migration (to public cloud) practices and technologies.
* In-depth understanding of the principles and best practices of Software Configuration Management (SCM) in **Agile, SCRUM, Waterfall methodologies.**
* Working with varying business units, understanding their release requirements, resolving their release issues, and aligning them to appropriate release vehicles as per needs.
* Experience in setting up CI/CD using different DevOps tools.
* Experience in AWS services such as **EC2, ELB, Auto-Scaling, EC2** Container Service, **S3, IAM, VPC, RDS**, **DynamoDB**, **Cloud Watch, Lambda, Elastic Cache, Glacier, SNS, SQS, Cloud Formation.**
* Working knowledge on Azure cloud IaaS and PaaS Services, Azure SQL, Azure storage, and Azure Services
* Experience on high-availability, fault tolerance, and auto-scaling in **AWS** Cloud Formation. Configured **AWS IAM** and Security Group in Public and Private Subnets in **VPC**. Created **AWS Route53** to route traffic between different regions.
* Written **Lambda** functions to implement tasks like, taking EBS volume snapshots in regular intervals and copying the files in between the **S3 buckets** only when the actions are triggered.
* Experience on **Terraform** a tool for building, changing, and versioning infrastructure safely and efficiently. **Terraform** key features such as Infrastructure as code, Execution plans, Resource Graphs, Change Automation.
* Expert in designing and distribution of Data across all the nodes and Clusters on different availability zones in **AWS Redshift** and experience in automating the infrastructure using **Terraform** in **AWS** console.
* Experience in building new applications and deployment through **Ansible** and managing in a production environment. Created **Ansible** Playbooks with **PythonSSH** as the Wrapper to Manage Configurations of **AWS** Nodes.
* Excellent experience on container management using **Docker** in creating images. Worked on **Docker** container snapshots, attaching to a running container removing, image managing, directory structures.
* Experience with containerization technology using **Docker** or evolving container management platforms like **Kubernetes** and using **Kubernetes** to manage dozens of microservices.
* Expertise includes bash and **Python** scripting with focus on DevOps tools, CI/CD Architecture, and hands-on Engineering.
* Implemented Continuous Integration with **Jenkins** integrated with **Maven, SonarQube, JFrog, Nexus** and **Ansible.**
* Designed and implemented Software configuration management (SCM) and change management (CM) solution using **GIT** and JIRA.
* Experience in implementing Bitbucket cluster. Experience in branching, tagging, and maintaining the version across the environments using SCM tools like **GIT/Bitbucket.**
* Experience on Oracle Application dealing with Patches and dealing with concurrent systems.
* Expertise in using build tools like **MAVEN and ANT** for the building of deployable Artifacts.
* Experience with **Oracle, MongoDB,** and **MS SQL** Server DB Tasks (DML, DDL Executions, Log Rotations, Table space alterations, user management etc...
* Experience in Configuring and deploying to Application servers **WebLogic and Websphere**.

**PROFESSIONAL SKILLS:**

|  |  |
| --- | --- |
| **Cloud Platforms** | AWS |
| **Configuration Management Tools**  | Ansible  |
| **CI /CD Tools**  | Jenkins, Argo CD, Flux CD, Harness |
| **Build Tools** | Maven, Gradle |
| **Containerization Tools** | Docker, Kubernetes |
| **Version Control Tools** | Git/GitHub, Bitbucket |
| **Logging & Monitoring Tools** | AppDynamics, Wavefront, Splunk, Prometheus, Grafana, ELK, Dynatrace |
| **Databases** |  MySQL, MongoDB, RDS, Postgres |
| **Application/Web Servers** | Apache Tomcat, NGINX. |
| **Operating Systems** | UNIX/Linux, Windows, RHEL, CentOS, Ubuntu |
| **Virtualization Platforms** | Oracle VirtualBox, VMware Workstation. |
| **Project Management** | JIRA, Confluence |
| **Scripting Languages** |  Python, YAML, Shell, Groovy |
| **Binary Repository** | Nexus, JFrog |
| **Testing** | Junit, SonarQube, Wiz |
| **Service Mesh**  | Linkerd |

**ACADEMIC QUALIFICATIONS:**

* Master of Science in Computer and Information Science from Southern Arkansas University - 2018
* Bachelor of Technology in Computer Science and Engineering from Sreenidhi Institute of Science and Technology (SNIST) Hyderabad – 2015

**PROFESSIONAL EXPERIENCE:**

**Client: Fiserv Sep 2023 – Present**

**Location: Alpharetta, GA**

**Role: SRE/Cloud Engineer**

**Responsibilities:**

* Worked on AWS Managed Active Directory for Enforcing Password policy for Bitbucket as per Fiserv standards.
* Responsible for Infrastructure/Cloud Operations, Automation, and patching of servers.
* Involved in designing and deploying multitude applications utilizing all the AWS stack Including EC2, Route53, S3, EKS, ECS, VPC, RDS, SNS, SQS, IAM, Lambda, Auto Scaling, EBS, DynamoDB, RDS, API Gateway, WAF, CloudWatch, CloudTrail, CloudFormation focusing on high-availability, fault tolerance, and auto-scaling.
* Designed, developed, and maintained Ansible playbooks and roles for automating infrastructure provisioning and configuration.
* Deploying Microservice architecture on Amazon EKS (Elastic Container Service for Kubernetes) and managed nodes and pods deployment through groovy pipelines.
* Migrated the applications from one VPC to another VPC which is in line with corporate security policies.
* Setting up and introducing Continuous Deployment processes, advising the best practice for development teams to reduce the cost, and securing the infrastructure.
* Integrated Zapier workflows with CI/CD pipelines, enabling automated deployments and continuous delivery of updates.
* Leveraged IaC tools (e.g., Terraform, CloudFormation) alongside Zapier to automate infrastructure provisioning and management.
* Utilized Terraform to manage infrastructure across multiple cloud platforms.
* Designed, built, and managed robust CI/CD pipelines using Jenkins, GitHub Actions, GitLab,automating code builds, tests, and deployments for multiple projects.
* Used Jenkins pipelines to drive all micro services builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
* Implemented monitoring and logging solutions (e.g., Prometheus, Grafana) in conjunction with Zapier to track the performance and health of automated processes.
* Managed Helm chart versions and dependencies effectively, ensuring smooth application upgrades and rollbacks.
* Proficient in implementing and managing a variety of monitoring tools, including but not limited to Prometheus, Grafana, Nagios, New Relic, and Datadog.
* Expose microservice running in one AWS account to another AWS accounts/regions using AWS Endpoint service (AWS Private link), Peering, and updating route table entries.
* Worked on Security remediations as recommended by our Internal security scans.
* Automated Cl/CD Pipeline for Apache deployment using Jenkins and groovy.

**Environment:** GitHub, Bitbucket, AWS, Jenkins, Amazon Linux, Terraform, Splunk, Groovy, Shell Scripts, Prometheus, Confluence, Sona type Nexus, Kubernetes, Grafana, Docker, Service Now, JIRA, WIZ.

**Client: Intuit Oct 2021 – Aug 2023**

**Location: Mountain View, CA**

**Role: Sr. DevOps/Cloud Engineer**

**Responsibilities:**

* Automated Backup and recovery of the infrastructure and Applications in designated DR regions as part of the overall organization DR strategy resulting in real time point in recovery with applications being recovered in a couple of mins.
* Automated application deployment and infrastructure provisioning using AWS CloudFormation,Terraform, and Ansible, reducing deployment times by 30%.
* Orchestrated secure Docker containers in production using Kubernetes and implemented best practices for container security.
* Create various infrastructure resources for the new applications migrating to the cloud and for the new feature of the existing applications a part of various projects with infrastructure as code approach by following the ticketing and approval process.
* Coordinate with the security team, networking team, application owners and others in ensuring the application security and other compliance requirements are met.
* Perform POC on various cloud resources/third party tools, create diagrams, designs, and documentation for presenting the stakeholders.
* Participated in Weekly Release Meetings with Technology Stakeholders to Identify and Mitigate potential risks associated with the Releases.
* Employed blue-green, canary, and rolling deployment strategies to minimize downtime and reduce the impact of new releases on end-users.
* Building centralized logging for developer applications by using EFK, Elasticsearch, Fluentd, Kibana (ELK) and Log storage in the S3 bucket by using Lambda function.
* Created scripts (Shell/Python etc.) and command execution frameworks for the monitoring of server disk usage, CPU usage etc. using mail utilities for notification.
* Integrated Jira with CI/CD pipelines (e.g., Jenkins, GitLab CI/CD) for automated issue tracking.
* Enhanced Kubernetes security by implementing RBAC, PodSecurityPolicies, and network policies, ensuring that only authorized users and workloads have access to resources.
* Experience in Branching, Merging, Tagging, and maintaining the version across the environments using SCM tools like GIT, Bitbucket and Code commit.
* Worked on rotating the IAM keys for all the AWS accounts every 90 days to meet the compliance requirements.
* Implemented build cache to reduce the time taken for the services to be built in Jenkins pipeline which would increase the developer productivity and save time.
* Documented and Performed DR tests for various use case isolations which are governed by the DR governance.
* Provided operational support for the monthly releases as per the release calendar by coordinating with PM’s, application owners and developers for migrating the builds across environments resulting in timely production releases and upgrades.
* Proficient in deploying and optimizing Azure Kubernetes Service (AKS) clusters, enhancing performance and scalability for containerized applications.
* Conducted performance and scalability procedure of Azure solutions, identifying bottlenecks and optimizing resource utilization for cost-effective operations.
* Implemented CI/CD pipelines in Azure DevOps/VSTS, resulting in faster delivery and improved code quality.
* Managed application configurations effectively using Octopus Deploy, ensuring consistency across different environments and enabling smooth deployment processes.
* Integrated Octopus Deploy with monitoring and logging solutions such as Prometheus, Grafana, ELK stack, or Splunk, providing real-time insights into deployment activities and system performance.
* Setup the CI/CD pipelines and other DevOps tools for new applications and support the existing applications to ensure a smooth application development process.
* Configured various dashboards for the application owners/teams, Business to monitor the applications and infrastructure in production environments.

**Environment:** GitHub, AWS, Jenkins, Chef, Amazon Linux, Terraform, Red hat Linux, Splunk, Groovy, Shell Scripts, AppDynamics, Confluence, Artifactory, Kubernetes, Wavefront, Apache Tomcat, Nginx, Docker, Service Now, JIRA

**Client: DaVita Kidney care Oct 2019 – Sep 2021**

**Location: Brentwood, TN**

**Role: Sr. DevOps/Cloud Engineer**

**Responsibilities:**

* Involved in designing and deploying multitude applications utilizing most of the **AWS** stack (Including EC2, Route53, S3, RDS, IAM) focusing on high-availability, fault tolerance, and auto-Scaling in **AWS Cloud Formation**.
* Worked on Migration from on-premises infrastructure to AWS resulting in improved system performance, scalability, and cost-efficiency.
* Designed and implemented end-to-end CI/CD frameworks by harnessing the capabilities of Jenkins, Veracode, SonarQube, Artifactory, Jfrog Artifactory, OWASP and Liquibase to facilitate the integration, testing, and deployment of software.
* Used Groovy scripts for ci/cd pipeline builds and involved in pipeline setup and Jenkins’s configurations.
* Strong experience utilizing Jenkins for enterprise scale infrastructure configuration and application deployments, checking out code from **bitbucket** and using maven to build war/jar artifacts.
* Implemented AWS solutions like **EC2, S3, IAM, EBS, Elastic Load Balancer (ELB), Security Group, Auto Scaling, and RDS in CloudFormation** JSON templates.
* Optimized volumes and EC2 instances and created multi–Availability Zone VPC instances. Maintained Route **53, VPC, RDB, SES and SNS** services in **AWS** cloud.
* Created snapshots and **Amazon machine images** (AMI) of the instances for backup and creating clone instances and can create complex **Identity and Access Management** (IAM) policies for delegated administration within AWS.
* Implemented rapid-provisioning and life-cycle management for **Redhat** Linux using Amazon **EC2**, **Ansible** and custom **Python** scripts.
* Created **Python** scripts to totally automate **AWS** services which includes web servers, **ELB**, CloudFront distribution, database, EC2 and database security groups, **S3** **bucket** and application configuration, this script creates stacks, single servers, or joins web servers to stacks.
* Proficient in writing AWS **Cloud formation** templates to create custom sized VPC, subnets, NAT, EC2 instances, ELB's and security groups.
* Creating scripts in DSL Groovy which integrate with Jenkins for Automation to create seed jobs.
* Managed 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 **Ansible**.
* Used **IAM** to create new accounts, **roles** and **groups** and **policies** and developed critical modules like generating Amazon resource numbers and integration points with **S3, DynamoDB, RDS, Lambda and SQS Queue.**
* Worked on setting up lifecycle management policies to take snapshot backups of **EBS** volumes for all servers moved to AWS from Datacenter and S3 lifecycle policies to back up the data from **AWS S3 to AWS Glacier.**
* Worked on Multiple AWS instances, set the security groups, Elastic Load Balancer and **AMIs**, auto scaling to design cost effective, fault tolerant and highly available systems.
* Hands on experience on Kubernetes for container management that runs Docker containerized applications in a cluster of EC2 instances in Linux Environment.
* Created monitors, alarms, and notifications for EC2 hosts using **Cloud watch.**
* Used **Datadog**, ELK & **Splunk** for both log monitoring as well as application monitoring.
* Installed and configured Web servers like Apache/Tomcat and performing Application deployment operations.

**Environment:** GIT, AWS, Jenkins, Ansible, RHEL, UNIX, Splunk, Python, Shell Scripts, Kinesis, Confluence, Artifactory, Kubernetes, Datadog, PostgreSQL, Cucumber, ELK, Docker, HP Service Manager, Service Now, JIRA.

**Client: USAA Jan 2019 – Sep 2019**

**Location: San Antonio, TX**

**Role: AWS DevOps Engineer**

**Responsibilities:**

* Developed build and deploy scripts using Groovy, Python and UNIX for various products to be hosted on Application Servers
* Set up CI/CD pipelines for Microservices and integrated tools such as **Maven, Bitbucket, SonarQube, Nexus, Docker, Slack** for providing immediate feedback to DEV teams after code check-in.
* Setting up **Jenkins’s master**, adding the necessary plugins and adding more slaves to support scalability and agility.
* Created quality gates in SonarQube dashboard and enforced in the pipelines to fail the builds when conditions not met.
* Automated infrastructure provisioning on AWS using **Terraform** and **Ansible**.
* Writing ANT and Groovy scripts to automate the build process.
* Effectively monitored the infrastructure using tools like Splunk, Logstash, CloudWatch and Nagios.
* Installed, Configured, managed, and upgraded **MongoDB** cluster to latest version. Written **Python** scripts for Mongo monitoring and back up and written database queries.
* Provisioned load balancer, auto-scaling group and launch configuration for micro services using **Ansible**.
* Building/Maintaining Docker container clusters managed by **Kubernetes**, Linux, Bash, GIT, Docker, using Kubespray. Utilized **Kubernetes** and Docker for the runtime environment of the CI/CD system to build, test deploy.
* Created and Managed local deployments in **Kubernetes**, creating local clusters and deploying application containers. Performed Kubernetes upgrades test on local containers before moving to Production clusters.
* Managed **Kubernetes** charts using Helm. Created reproducible builds of the **Kubernetes** applications, managed **Kubernetes** manifest files and Managed releases of Helm packages..
* Experience in **Kubernetes** to deploy scale, load balance and manage **Docker** containers with multiple names spaced versions and good understanding of **OpenShiftPlatform** in managing Docker Containers and **Kubernetes** Clusters.

**Environment:** Apache, Tomcat, Docker, Terraform, Aws, Kubernetes, Git, SVN, Splunk, Chef, Jenkins, AWS, MYSQL, Jira.

**Client: OCLC July 2016 – Dec 2018**

**Location: Columbus, OH**

**Role: Build and Release Engineer**

**Responsibilities:**

* As a member of the Release Engineering group, redefined processes and implemented tools for software builds, patch creation, source control, and release tracking and reporting, on the LINUX platform.
* Installed and configured Jenkins for Automating Deployments and providing an automation solution.
* Integrated GIT into Jenkins to automate the code check-out process.
* Used Jenkins for automating Builds and Automating Deployments
* Maintained and tracked inventory using Jenkins and set alerts when the servers are full and need attention.
* Experienced working with Puppet Enterprise and Puppet Open Source. Installed, configured, upgraded, and managed Puppet master, agents & Databases.
* Assigned Puppetroles to instances as they are launched through script.
* Integration of Puppet with Apache and developed load testing and monitoring suites in Python.
* Integrated delivery (CI and CD process) Using Jenkins and puppet.
* Developed build and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments.
* Installation of Application on production and Test server for the use of application development and configuration
* Dealt with Jira as ticket tracking and workflow tool.
* Released code to testing regions or staging areas according to the schedule published.

**Environment:** Puppet, Git,Eclipse, Ant, Jenkins, Maven, Jira, Junit, Linux, Tomcat Apache Application Server

**Client: CIG Solutions Pvt. Ltd. Oct 2014 – Nov 2015**

**Location: Hyderabad, India**

**Role: Java Developer**

**Responsibilities:**

* Involved in understanding and analyzing the requirements of the project.
* Followed Waterfall Methodology to implement the features.
* Implemented Struts MVC design pattern and front controller pattern.
* Developed Action Class components for performing business process execution and involved in configuration of struts configuration specific xml file.
* Created and handled Custom-Exceptions that are related to business operations. Created child Threads to improve the performance by running some independent tasks in the background.
* Developed Server-Side components for the business services for creating Items, BOM, Sourcing Rules, and substitute.
* Used Java Jdk1.5 features to implement the functionalities.
* Designed and developed the User Interface using HTML, JavaScript, AJAX**,** and CSS**.**
* Used Log4j for logging purposes during the development of the application.
* Used JDBC to interact with the underlying MySQL Database.
* Extensively worked on SQL for writing complex queries in the business logic layer.
* Deployed Applications on Apache Tomcat Server and used CVS as the version control manager.
* Used Eclipse IDE to integrate the different frameworks to build the overall application.

**Environment:** Java, JDBC, Jdk1.5, Servlets, Struts, JSP, Hibernate, Java Mail API, AJAX, HTML, XML, ANT, Log4J, CVS, RAD, putty, MySQL, Mantis, Apache Tomcat, Eclipse IDE, Waterfall Methodology.