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Professional Summary

- Over **5 years** of experience in developing client/server and web - based applications, business processes and system solutions within the Retail, Healthcare, Banking and Financial Domains on-prem and cloud using **Agile/SCRUM Methodologies**.
- Strong knowledge of Software Development Life Cycle (SDLC), SCM practices along with software Build and Release Management methodologies. In depth knowledge about **Agile, Waterfall and Scrum** methodologies.
- Expertise in automation tools like **Git, Subversion, Maven, Jenkins, Ansible, Terraform, Docker, Kubernetes**
- Experience in Container management using **Docker by writing Docker** files and set up the automated build on Docker HUB and installing and configuring **Kubernetes**.
- Leveraged various Amazon Web Services, including **EC2, RDS, EBS, ELB, Autoscaling, AMI, and API** Integration; Developed and implemented new compliance **IAM** policy, **SG, KMS, S3** Bucket Policies.
- Expertise in DevOps, Release Engineering, Configuration Management, Cloud Infrastructure Automation tools
- Implements networking protocols, **IP** addresses, **DNS** configurations, and maintains **firewalls** to ensure secure and seamless communication.
- Experience with user access, authentication, user permission management and security like **LDAP**
- Experience in scheduling, deploying, & managing container replicas onto a node cluster using **Kubernetes**, worked on building **K's run time environment** of the CI/CD system to build, test & deploy in an open-source platform.
- Worked on security to Maintains **firmware** updates and **firewalls** and enforces security controls within the platform to uphold data integrity and prevent unauthorized access.
- Experience in **Continuous Integration (CI)** and **Continuous Delivery (CD)** process implementation using Jenkins along with **Shell scripts** to automate routine jobs.
- Proficient with SCM tools – **Ansible, Chef** for Deployment.
- Experience in **Ansible** automation including writing playbooks, customized modules for test driven development Implemented and designed **AWS virtual servers** by Ansible roles to ensure deployment of web applications.
- Hands on experience in container-based technologies **Kubernetes, Docker** and **ECS**.
- Experienced in branching, tagging, and maintaining the version across the environments using, Software Configuration Management tools like **GITHUB, Subversions (SVN)** like **GIT**, and **Team Foundation Server (TFS)** on Linux and Windows platforms.
- Worked on **Terraform** for managing the infrastructure through the terminal sessions and executing the scripts through the terminal.
- Experienced with **OpenShift** platform in managing **Docker** containers and **Kubernetes Clusters**.
- Proven record of accomplishment, demonstrating innovative and unique designing skills, computer proficiency, ability to work in a stressful environment with projects and interaction with every team member.

Education Detail:

Western Oregon University, Monmouth, Oregon
Bachelor of Science in Computer Information Systems

Technical Skills

Programming	Python, Java, Shell Scripting, PowerShell, YAML template.
Version Tools	SVN, GIT, Perforce, TFS, Bitbucket
CM Tools	Puppet, Chef, Ansible, Salt
Cloud Technologies	Amazon Web Services (AWS), Azure
Web/Application servers	Apache Tomcat, WebSphere, IIS
Databases	Amazon RDS, Dynamo DB, Amazon Aurora, RedShift warehousing and MySQL, SSRS, SSIS
Virtualization	VMware, Vagrant, Docker, Elastic Container Service, Kubernetes
Monitoring Tools	CloudWatch, Nagios, Datadog, Zabbix, Splunk, Sumo logic
Operating Systems	Windows, Sun Solaris, Red Hat (LINUX)

Professional Experience

Client: Cognizant (Remote)

Jun 2024 – Present

Role: DevOps Engineer

Responsibilities:

- Participated in Agile **Scrum** ceremonies including daily stand-ups, Sprint planning, task estimation, retrospectives, and demo presentations, fostering collaboration and continuous improvement.
- Developed and maintained multi-branch pipeline projects using **Bamboo** and **Azure DevOps** Pipelines to automate **CI/CD** processes, ensuring rapid and reliable software delivery across various environments.
- Created **Bamboo** pipelines for building and deploying applications across a diverse tech stack, including **Java**, **.NET**, **Angular**, **Node.js**, **Python**, and containerized microservices, ensuring scalable and efficient deployment processes.
- Integrated **unit testing**, **integration testing**, and **smoke testing** within the pipelines to ensure basic functionality and stability before progressing to further stages of testing and deployment.
- Implemented security scanning (**SAST**) in **Bamboo** pipelines using **Checkmarx**, ensuring early detection of security vulnerabilities and compliance with secure coding standards.
- Integrated **SonarQube** with Bamboo for continuous code quality analysis, identifying and remediating bugs, vulnerabilities, and code smells to maintain high coding standards.
- Managed version control using **Azure Repos** and **Bitbucket**, implementing branching strategies, conducting code reviews, and handling pull request workflows to streamline collaboration across teams.
- Automated build and deployment pipelines using **Maven**, **NPM**, and **Docker** within **Azure Pipelines** and **Bamboo**, with automated triggers from Bitbucket repositories to streamline development processes and reduce manual effort.
- Created, managed, and optimized **JFrog** Artifactory repositories, handling image volume management and enhancing artifactory orchestration to support smoother artifact management in the development lifecycle.
- Automated cloud infrastructure provisioning and configuration using **Terraform** and Azure Resource Manager (ARM) templates for development, staging, and production environments in Azure, ensuring consistency across environments.
- Developed and maintained Ansible playbooks to automate deployment processes for Azure-based environments, increasing the efficiency and repeatability of environment setups.
- Automated routine cloud tasks such as snapshot creation, resource cleanup, and resource management using Python scripts and Azure Functions, optimizing cloud operations and reducing manual intervention.
- Designed, configured, and managed end-to-end **CI/CD** pipelines in both Bamboo and Azure DevOps Pipelines tailored to meet lifecycle management requirements for projects using different tech stacks, including containerized applications and serverless functions.
- Performed smoke testing within **CI/CD** pipelines to validate the stability and core functionality of builds before promoting to higher environments, reducing the risk of critical failures in production.
- Utilized **JIRA** for agile project management and issue tracking, and **Confluence** for project documentation, aligning with the Atlassian suite to maintain transparency and collaborative project environments.

Client: Columbia Sportswear (Remote)

Jun 2023 – Feb 2024

Role: DevOps Engineer

Responsibilities:

- Involved in daily Scrum meetings, Sprint planning and estimation of the tasks for the user stories, participated in retrospective and presenting Demo at end of the sprint. Communication with external teams, verbally and written daily.
- Implemented continuous delivery framework using **Jenkins** environment, created pipelines for **Jenkins** jobs integrating with **GitHub**.
- Managed Kubernetes charts using Helm. Created reproducible builds of the Kubernetes applications managed Kubernetes manifest files and managed releases of Helm packages.
- Involved in writing playbooks for **Ansible** and deploying applications using **Ansible**.
- Provisioned **Lambda** functions to create a Log stash for centralized logging - to store logs, Metrics into **S3 buckets**.
- Automated Regular AWS tasks like snapshots creation using Python scripts.
- Automated the cloud deployments using **python**, and **AWS Cloud Formation Templates**.
- Configured Docker file with different artifacts to make an image and using Chef Cookbooks deployed those Docker images to different servers for running the applications on containers.
- Installed and Configured **CI/ CD Pipelines** using Jenkins as needed by the application software lifecycle management.
- Used Atlassian products like JIRA, Confluence for issue tracking, documentation, and code integration.
- Write **terraform** scripts from scratch for building Dev, Staging, Prod and DR environments.
- Implemented continuous delivery framework using **Jenkins**, **Maven** on multiple environments.
- Implemented **Elastic Load Balancing (ELB)** and **Application Load Balancers (ALB)**, distributing traffic across instances for enhanced availability and fault tolerance.
- Utilized **Kubernetes** and **Docker** for the runtime environment of the **CI / CD** system to build, test deploy.
- Container management using **Docker** by writing Docker files and setting up the automated build on Docker HUB and installing and configuring Kubernetes.

- Experienced in auto scaling, performance testing, and capacity planning, utilizing tools like **Jenkins** and **Artifactory** to establish automation, CI/CD, and Self-Service pipelines.
- Leveraged **AWS CloudFormation** and **Infrastructure as Code (IaC)** practices to automate the provisioning and configuration of networking resources.
- Written **groovy scripts** to use **multi branch pipeline projects in Jenkins** to configure.
- Involved in editing the existing ANT/MAVEN files in case of errors or changes in the project requirements.
- Created **Docker** images using a **Docker file**, removing images and managing **Docker** volumes.
- Worked with **Jenkins** under the **CI/CD pipeline** providing continuous improvement to agile software development teams.

Environment: Python, Docker, Ansible, Kubernetes, AWS, Terraform, Nginx, Jenkins, Maven, GITHUB, Jira, Linux.

Client: Capital One (Remote)

Aug 2022 – Mar 2023

Role: DevOps Engineer

Responsibilities:

- Working as a **DevOps Engineer** for multiple development teams, and I work on a system analysis team to establish a build schedule, provide a guideline for deployment in higher environments and with troubleshooting build system failures.
- **Created** Ansible Playbooks for various environments for release and rewrite puppet modules into the **Ansible Playbooks**.
- Orchestrated and migrated CI/CD processes using Cloud Formation, terraform templates and containerized the infrastructure using Docker setup in Vagrant, **AWS** and Amazon VPCs.
- Managed resources effectively by collaborating closely with the Release Project Manager and the Operational Project Manager.
- Leveraged various Amazon Web Services, including **EC2, RDS, EBS, ELB, Autoscaling, AMI, and API** Integration; Developed and implemented new compliance **IAM** policy, **SG, KMS, S3** Bucket Policies.
- Continuous Integration (CI) system design and implementation including Jenkins deployment and overseeing **Jenkins** jobs in charge of managing both users and plugins using Multiple pipelines and also Implemented continuous delivery framework using Jenkins environment, created pipelines for Jenkins jobs integrating with GitHub.
- Worked on **AWS SGs** migration using in-house tool called **OneCloud** while also attending weekly release meetings discuss and address any issues that could arise with upcoming complainant AWS SG releases and wrote terraform scripts from scratch for building Dev, Staging, Prod environments SG and IAM.
- Shell and Python scripts were used to automate the process of establishing a server infrastructure for DevOps services. Developed S3 buckets, administered S3 bucket rules, and put S3 buckets to use for AWS storage and backup.
- Help Configured **IAM** roles for **EC2** instances and assigns them policies granting specific level access to S3 buckets.
- Implemented Elastic Load Balancing (**ELB**) and Application Load Balancers (**ALB**), distributing traffic across instances for enhanced availability and fault tolerance.
- Used Atlassian products like JIRA, Confluence for issue tracking, documentation, and code integration Configured **IAM** roles for **EC2** instances and assigns them policies granting specific level access to **S3** buckets.
- Streamlined secrets management for distributed services, utilizing technologies like Vault and AWS AMI to simplify the process.
- Proficient in user access management, authentication, and user permissions, with expertise in **LDAP, AD**

Environment: Python, PowerShell, Docker, Jenkins, Ansible, Kubernetes, AWS (IAM, EC2, S3), Jenkins, Tomcat Server, Maven, GIT, Groovy, Terraform, MySQL, Jira, Windows.

Client: Pacific Specialty Insurance, Anaheim, CA

Mar 2021 – Jun 2022

Role: DevOps Engineer

Responsibilities:

- Worked with **JIRA** for creating Projects, assigning permissions to users and groups for the projects & Created Mail handlers and notification Schemes for **JIRA**.
- Created alarms, monitored & collected log files on AWS resources using **CloudWatch on EC2 instance which generates Simple Notification Service (SNS)**.
- Involved in implementing **Ansible** configuration management and maintaining them in several environments on **AWS cloud and VMware**.
- Implemented and designed AWS virtual servers by **Ansible roles** to ensure deployment of web applications.
- Installation, configuration and administration of **Virtual Box and VMware** virtual machine for Ubuntu Linux servers.
- Using **Boto3** python libraries integrating with Ansible and Terraform for Managing EBS volumes and scheduling Lambda functions for AWS tasks.
- Configured pom.xml files to publish the **artifacts** into Nexus repository as part of the continuous integration (CI) process.
- Provide support for the application teams if any issues or features to be added in pipeline template.
- Implemented **docker container creation** process for each **GitHub branch** gets started on Jenkins as Continuous Integration (CI) server.
- Maintained and administered GIT source code tool and Created Branches, Labels and performed Merges.

- Manage and analyse cloud infrastructure Security incidents and Vulnerabilities by using AWS Config, Control Tower, which gives audit, logs, and reports. Also, recovery from computer-based attacks, unauthorized access, and policy breaches.

Environment: Docker, Jenkins, Nexus, Kubernetes, Terraform, GITHUB, Maven, VMware, AWS, Jira, Ansible, GITHUB, Nagios, Windows.

Client: Shutterfly, Redwood City, CA

Jan 2019 – Dec 2020

Role: Jr. DevOps Engineer

Responsibilities:

- Gathered all the **stakeholder approvals, necessary signoffs** while acting as a DevOps/Release manager for two development teams.
- Created the automated build and deployment process for application, re-engineering setup for better user experience, and leading up to building a continuous integration system.
- Installed, Configured and Administered **Jenkins** Continuous Integration Tools.
- Implemented new projects builds framework using **Jenkins & maven** as build framework tools.
- Used **Maven** as build tool on Java projects for the development of build artifacts on the source code.
- Developed automation framework for Application Deployments to the cloud environments.
- Implemented AWS solutions using **EC2, S3, RDS, EBS, Elastic Load Balancer**, Auto scaling groups, Optimized volumes and EC2 instances.
- Performed Branching, Tagging, and Release Activities on Version Control Tools: **GIT**.
- Performed and deployed Builds for various Environments like QA, Integration, UAT and Productions Environments
- Automate and deploy development environments using **Ansible** to various cloud providers **Amazon AWS and EC2, and Jenkins** testing.

Environment: Java, Jenkins, Maven, Nagios, SQL, Ansible, AWS, Nagios, IBM WebSphere, Docker, Git, JIRA, XML, Linux.