**SUMANTH**

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**Professional Summary**

* Overall, 8 years of experience as a **DevOps** Engineer in solving complex problems with creative solutions, supporting development, and Deployment operations in different environments.
* Build and Deployment Automation, Release Management, Packaging Quality Control, Source Code repository, and Cloud Computing Platforms like **AWS** and **Azure Cloud.**
* Configured and maintained **Jenkins** to implement the **CI** process and integrated the tool with **ANT** and **MAVEN** to schedule the builds.
* In-depth knowledge of key **Azure** services - **VM**, Storage Accounts, Azure **SQL**, **VNet**, Redis, Resource Manager, Azure Diagnostic, Network interface(**NIC**), TrafficManager, Azure **CDN**, Azure Notification Hubs, Azure Identity and Access Management like service principal account, Infrastructure as Code, etc
* Proficient level of experience with **DevOps** tools like **GIT, Subversion, Jenkins, Chef, Puppet, Ansible, Docker, Ant,** and **Maven**.
* Working Experience in Azure Cloud Services Integration and **API** development, Agile methodology.
* Expertise in cloud automation using **AWS** Cloud Formation Templates, **Chef, and Puppet.**
* Experience in working with Version Control Systems/Source Code Repository tools like **GIT, and** GitHub.
* Experience in working with container-based deployments using **Docker**, **Docke**r images, **Docker** files, Docker Hub, **Docker** Compose, and **Docke**r registry.
* Familiar with designing and deploying container-based production clusters using **Docker**.
* Worked on **Docker** Container snapshots, attaching to a running container, removing images, managing directory structures, and managing containers.
* Experience with **Docker** containers and orchestration platforms such as **ECS**, **EKS**, **AKS,** and **Kubernetes**,
* Configured **Jenkins** to automate the build deployments based on the changes captured in Version Control.
* Created and wrote shell scripts **Bash**, **Python,** and **PowerShell** for setting up baselines, branching, merging, and automation processes across the environments using **SCM** tools like **GIT**, and Subversion **(SVN)** overLinux and windows platforms.
* Have been working in **Bash** and **Python scripting on Linux.**
* Experienced in Administration of Production, Development, and Test environments carrying Windows, Ubuntu, and Red Hat Linux, SUSE **Linux**, **Centos,** and Solaris servers.
* Hands-on experience working with System health and performance Monitoring Tools like **Nagios, Splunk**, **Cloud Watch**, **New Relic**, **Elasticsearch**, **Kibana,** etc.
* Perform system administration tasks such as installation and configuration of services such as **Apache**, **PHP**, **MySQL,** and Redis on **Ubuntu** servers hosted in **AWS** and **Azure**.
* Worked in an **Agile** development team to deliver an end-to-end continuous integration/continuous delivery product in an open-source environment using tools like **Puppet & Chef.**
* Experienced with managing serverless infrastructure with **CloudFormation**/**CDK**, **SDK**, and, **Terraform**.
* Excellent communication, interpersonal, intuitive, analysis, and leadership skills with the ability to work efficiently in both independent and teamwork environments.

**Technical Skills**

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| --- | --- |
| Operating Systems | Windows, Mac OS X, UNIX, LINUX (RHEL), RedHat, Linux, and CentOS. |
| Versioning Tools: | CVS, Subversion, Git, BitBucket, Git lab. |
| CI/CD Tools | Jenkins, Bamboo, Puppet, chef, |
| Build Tools | PUPPET, MAVEN, and CHEF Nexus |
| Bug Tracking Tools | JIRA, HP Quality Center and IBM Clear Quest, Nagios |
| Virtualization | VMware, Docker, Amazon AWS/EC2, Vagrant |
| Web Technologies | HTML, Java Script, XML, Servlets, JSP. |
| Web servers | Web logic, Web Sphere, Apache Tomcat, JBOSS, DOCKER |
| Database | Oracle, SQL SERVER, MySQL, NoSQL, MongoDB, Cosmo DB, Postgres SQL, Jboss |
| Others | MS Outlook, Agile, SCRUM, Load Balancing – HA Proxy |
| Cloud Computing | AWS (EC2, ELB, S3), OpenStack (Nova, Swift, Glance),  Azure, (Azure VM, DataDisk, Nic, and Ip config). |
| Scripting Languages | C .net, Python scripting, Power Shell scripting, and Shell Scripting, |
| Platforms | UNIX, Linux, HP-UX, Solaris, Centos 6.5,7, Red Hat, Windows NT/2003/2008, Microsoft Windows Vista/XP/2000 |

**Professional Experience**

**Sr. DevOps/Cloud Engineer**

**AgileThought/Kirkland & Ellis -Tampa, FL** **Sep 21 – Feb 23**

**Responsibilities**

* Experienced in **Azure DevOps** Services (formerly **Visual Studio Team Services**) **GIT** experience, including build and release pipeline automation, branching, and merge strategies.
* Experienced with deployments, maintenance, and troubleshooting applications on Microsoft Cloud infrastructure **Azure**.
* Experienced in working environments with various Azure-based **PaaS** & **SaaS** services (Data Lake, **Azure** **AD**, **SQL** Databases, **AKS**, Storage accounts, App Services, **Vnet** Machine Learning, **Data Factory**, etc)
* Deployed **Azure** **Kubernetes** Clusters on cloud/on-premises environments with architecture and wrote many **YAML** files to create many services like pods, deployments, stateful sets, replica sets, auto-scaling, load balancers, labels, health checks, Namespaces, **ConfigMaps**, etc.
* Involved with writing **Kubernetes** manifest files and docker files for application deployments.
* I have also performed various **Kubernetes** services with **pod security policies** like restricting containers to **non-root**, privilege access, hostname (**PID** and **IPC**), host network & host ports, and Restricting escalation to root privileges(**allowpriviledgeEscalation**: false) to secure our environment.
* Working experience in **Azure** Cloud Services Integration and **API** development, **Agile** methodology.
* Hands-on experience in **cloud**-native architecture design, and implementation of distributed, fault-tolerant enterprise applications for the cloud.
* Experienced in Installing, Configuring, and Managing **Docker** Containers, and Docker Images for Web Servers and Virtualizing the servers using **Docker** for test environments and dev environments.
* Worked on creating the **Docker**containers and **Docker**consoles for managing the application life cycle.
* To achieve the Continuous Delivery goal on the highly scalable environment, used **Docker**coupled with the load-balancing tool **Nginx**.
* Designing and creating a release **pipeline** that promotes changes to various **testing** and **staging** environments. Implemented deployment patterns (like blue/green pattern) that help smoothly roll out the application features.
* Hands-on experience with provisioning and maintaining deploying **Kubernetes** clusters in On-prem production environments like **Rancher**.
* Set up a continuous delivery (**CD**) pipeline that automates the process of deploying the Web application on **Rancher** **Kubernetes** clusters.
* Experienced with leading meetings with client architects and monitoring tool application teams.
* Manage build dependencies with **Azure** Artifacts.

**Environments:** **Azure DevOps, Azure VM, Azure Database, Azure Networking, Rancher, Docker, ACR, Kubernetes, Docker, CI/CD pipelines, Minio, ELK, Dynatrace, Sysdig, linked, CS code, Shell Scripting, Linux distributions like Rhel, centos, ubuntu.**

**Cloud Platform Engineer**

**BCG -Chicago, IL Jul 20 - Aug 21**

**Responsibilities**

* Experienced in automating build and deployment workflows using **GIT**, **MAVEN**, **JENKINS**, **DOCKER,** and **Ansible**.
* Experience in developing scripts in various programming languages like **Python** for automation.
* Expertise in Installation & Setup of code versioning tools like **GIT/ SVN** Repository (Version Control System) on **Linux** on the client side.
* Working with Cloud Automation tools like **CloudFormation, Terraform, CDK, Boto3 SDK, and AWS-CLI.**
* Experienced in **AWS**, **Docker**, **Kubernetes**, **OpenShift**, Microservices, **AWS** **DyanmoDB**, **Oracle**, and **Jenkins**.
* Designed and created multiple deployment strategies using **CI/CD** Pipeline and configuration management tools with remote execution to ensure zero downtime and shortened automated deployments.
* Hand-on experience with **TFS**Release Management and on Continuous Integration testing and Automation builds.
* Experienced in supporting **DB** platforms – **AWS** **RDS**, **Redshift**, **MSSQL**, **PostgreSQL**, **MySQL**, and **No-SQL DB**.
* Experience with Docker, **Kubernetes**, **Swarm,** and clustering frameworks.
* Worked with the automated scripts for the Build and Deployment of the applications and also Worked on Udeploy, to do the deployments in **DEV**, **QA,** and **UAT**.
* Developing scripts to automate existing manual build & deployment procedures. Automated deployment operations using various tools in DevOps, Configuration Management, and Cloud Infrastructure using **Jenkins**, **Puppet**, and **GIT.**
* Experience with monitoring and log aggregating frameworks such as **Kafka**, Logstash, Splunk, **ElasticSearch**, and **Kibana**.
* Extensive experience working with the Configuration/Deployment Tools like **CHEF** (Knife, recipe, cookbook), **ANSIBLE** (Playbook, inventory), and **PUPPET** (Puppet manifests, Factor, catalog).
* Worked on architecting and building solutions leveraging DevOps tools such as **Puppet**, **Chef** and **Jenkins**, **Git**, **BitBucket** etc.
* Used **Terraform** templates to install Pivotal Cloud Foundry (**PCF**) on **IaaS** providers **AWS**, **Azure**, **GCP,** and **vSphere**.

**Environment**: **AWS (EC2, S3, ELB, Auto scaling, Azure**, **Sonarqube**, **Elastic Beanstalk, Cloud Front, Cloud Formation, Elastic File system, GIT, Jenkins, Chef, SCCM, UNIX/Linux, Terraform**, **VMWare**, **CentOS**, **SQL**.

**DevOps Lead/Architect Engineer**

**Huntington National Bank - Columbus, OH**  **Sep 18 - Jun 20**

**Responsibilities**

* Extensive experience using **JENKINS CI/CD** Pipelines, **MAVEN,** and **ANT** as a Build Tool for the building of deployable artifacts from source code.
* Developed and maintained the Continuous Integration and Deployment systems using **GIT, Jenkins, Maven, and Nexus.**
* Deployed and configured Atlassian tools like **Jira**, Confluence, **Bitbucke**t, and Bamboo for both hosting and issue tracking for local instances, workflow collaboration, and tool-chain automation.
* Developed **Terraform** templates to create custom-sized **VPC**, **NAT** subnets, and **NACLs** for the deployment of Web application and database templates. Created **Terraform** scripts for **EC2** instances, Elastic Load balancers, and S3 buckets.
* Experience in creating **Docker** Containers leveraging existing **Linux** Containers and **AMI** in addition to creating **Docker** Containers from scratch. Also experienced using Kubernetes for deployment like **OpenShift**.
* Customization, **API** Testing and Tracing, Maintaining GitHub repository, Developer portal -Publishing **API.**
* Installed, Configured, and Managed Monitoring Tools such as **Nagios**, **Zabbix,** and iCinga for Resource Monitoring/ Network Monitoring/ Log Trace Monitoring.
* Worked on the creation of **Docker containers** and **Docker consoles** for managing the application life cycle.
* Worked on the creation of custom **Docker** container images, tagging and pushing the images.
* Created automation and deployment templates for relational and **NOSQL** databases including **MongoDB** and **Redis**.
* Provided and supported development & infrastructure teams for **TFS** to **GIT** migration
* Worked on **AWS EC2** Instances creation, setting up **AWS** **VPC**, and launching AWS EC2 instances in different kinds of private and public subnets based on the requirements for each of the applications.

**Environment**: **GIT, TFS, Jenkins, Chef, Puppet, Ansible, Shell scripts, Python, Urban code deploy SCCM, UNIX/Linux, Terraform**, **VMware**, **CentOS**.

**DevOps Engineer**

**ACT – Coralville, IA Jan 18 - Sep 18**

**Responsibilities**

* Expertise in Installation and configuration of an automated tool like **Puppe**t which includes Puppet Master, Agent Nodes, and an administration control workstation and tools like Puppet Console.
* Experienced in Administration of Production, Development, and Test environments carrying **Windows, Ubuntu,** and **Red Hat Linux**.
* Customization, **API** Testing and Tracing, Maintaining GitHub repository, Developer portal -Publishing **API.**
* Managed **IAM** policies, providing access to different **Azure**resources, and designed and refine the workflows used to access.
* Used **Kubernetes** to deploy scale, load balance, scale and manage agile containers with multiple namespace versions.
* Designing **AWS** Cloud Formation templates using **JSON** and **YAML** to create multi-region web applications and databases.
* Worked on **Chef** Automation including writing **Cookbooks** and customized recipes for test-driven development environments and also set up the **Chef** Workstation, **Chef Server,** and chef nodes.
* Written recipes and cookbooks in **Chef** for **Tomcat**, Apache, **MySQL,** etc.
* Worked on architecting and building solutions leveraging DevOps tools such as **Puppet**, **Chef** and **Jenkins**, **Git**, **BitBucket,** etc.
* Managed version control tool **Git** to version code changes to help developers/programmers branch/merge code.

**Environment**: **GIT, CentOS, RDS, SonarQube, PostgreSQL, Angular JS, TFS, Maven, Docker, JIRA, Shell scripts, BitBucket, Javascript, and Python.**

**Linux Jr Admin**

**Virtuesoft Inc -Hyd, India Nov 12 - May 15**

**Responsibilities**

* Installed Jenkins on a **Linux** machine and created a master and slave configuration through a build farm for the implementation of multiple parallel builds.
* Experienced in authoring **pom**.**xml** files, performing releases with the Maven release plugins, and managing artifacts in the maven internal repository.
* Deployed code on **Tomcat**, and **JBoss** Application Servers for **UAT** and Development environments.
* Installed, Configured, and maintained Windows Servers.
* Assisted in installation, configuration, and administration of **RedHatLinuxCentOS** using Kickstart servers and unattended disk.
* Storage setups, **RAID**, Logical Volume Manager, system backup design, and disaster recovery.
* Assisted in monitoring network security and intrusion detection while adjusting and updating systems to meet the company's requirements.
* Experience in installation, configuration, upgradation, patching, monitoring, troubleshooting, and Deployment and management of web and enterprise applications on **Linux** Servers.
* Configured **CPU**, memory, and disk partitions as required as well as Systems performance monitoring.
* Assisted in creating and managing users and groups, assigning permissions, and controlling access to files.

**Environment: Shell Scripting, Linux kernels, windows servers, PowerShell.**

**Education:**

Masters in Computer Science from **Wilmington University** (Dec-2017)

Bachelors of Engineering in Computer Science from **Anna University**, India (June-2012)

**Certifications:**

AWS Solution Architect Associate Certified (2020)

Azure Admin Associate certified (2023)