SUMANTH
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Professional Summary

- Overall, 8 years of experience as **DevOps** Engineer in solving complex problems with creative solutions, supporting development, 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 on 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, 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** file, 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**, Subversion (**SVN)** over Linux and windows platforms.
- Have been working in **Bash,** and **Python scripting on Linux.**
- Experienced in Administration of Production, Development and Test environment's carrying Windows, Ubuntu, and Red Hat Linux, SUSE **Linux**, **Centos,** and Solaris servers.
- Hands on experience on working with System health and performance Monitoring Tools like **Nagios, Splunk**, **Cloud Watch**, **New Relic**, **Elasticsearch**, **Kibana** etc.
- Perform system administrations 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 ability to work efficiently in both independent and teamwork environments.

Technical Skills

Operating Systems	Windows, Mac OS X, UNIX, LINUX (RHEL), RedHat, Linux Mint, CentOS, Cloudera
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

DevOps/Cloud Engineer

AgileThought / Kirkland&Ellis -Tampa, FL   **Sep 21 - PRESENT**

Responsibilities

- Experienced in **Azure DevOps** Services (formally **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, statefulsets, replicasets, 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, host name(**PID** and **IPC**), hostnetwork & host ports, 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, implementation of distributed, fault-tolerant enterprise applications for the cloud.
- Experienced in Installing, Configuring and Managing **Docker** Containers, Docker Images for Web Servers and Virtualized the servers using the **Docker** for the test environments and dev-environments.
- Worked on creating the **Docker** containers and **Docker** consoles for managing the application life cycle.
- To achieve Continuous Delivery goal on high scalable environment, used **Docker** coupled with load-balancing tool **Nginx**.
- Designing and create a release **pipeline** that promotes changes to various **testing** and **staging** environments. Implemented deployment patterns (like blue/green pattern) that helps smoothly roll out the application features.
- Hands-on experience with provisioning 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 team.
- 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, linkerd, 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** at client side.
- Worked with **AWS** Cloud Formation Templates, **Terraform** along with Ansible.
- 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.
- 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, Cloud Infrastructure using **Jenkins**, **Puppet**, **GIT.**
- Extensive experience on 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, Agile, Jenkins, Chef, Urban code deploy SCCM, UNIX/Linux, Terraform**, **VMWare**, **CentOS**, **SQL**.

Devops 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, 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, **NACLs** for deployment of Web application and database templates. Created **Terraform** scripts for **EC2** instances, Elastic Load balancers and S3 buckets.
- 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.
- Created automation and deployment templates for relational and **NOSQL** databases including **MongoDB** and **Redis**.
- Provided and supported to development & infrastructure teams for **TFS** to **GIT** migration
- Worked on **AWS EC2** Instances creation, setting up **AWS VPC**, launching AWS EC2 instances different kind of private and public subnets based on the requirements for each of the applications.

Environment: **GIT, TFS, Agile, Jenkins, Chef, Puppet, Ansible, Shell scripts, Python, Urban code deploy SCCM, UNIX/Linux, Terraform**, **VMWare**, **CentOS**, **SQL**, **MS** Word, **PowerPoint**, and **Excel.**

DevOps Engineer
ACT – Coralville, IA   **Jan 18 - Sep 18**
Responsibilities
- Expertise in Installation and configuration of 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 environment's 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, design 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 setup 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, Agile, Cloud Watch, IAM, SNS, Maven, Docker, JIRA, Shell scripts, BitBucket, Java script, 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 implementation of multiple parallel builds.
- Experienced in authoring **pom**.**xml** files, performing releases with the Maven release plugins, and managing artifacts in maven internal repository.
- Deployed code on **Tomcat**, **JBoss** Application Servers for **UAT** and Development environments.
- Installed, Configured and maintained of 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 company's requirement.
- Experience in installation, configuration, upgradation, patching, monitoring, troubleshooting and Deployment and management of web and enterprise application 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, assign permissions and control 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 Sceince from **Anna University**, India (June-2012)