

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**, **Docker** images, **Docker** file, Docker Hub, **Docker** Compose and **Docker** 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

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|--------------------|---|
| 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 |

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|---------------------|---|
| 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 – Feb 23

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, 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(**allowprivilegeEscalation: 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, Docker Images for Web Servers and Virtualizing the servers using **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 the Continuous Delivery goal on the high 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 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.
- Working with Cloud Automation tools like **CloudFormation**, **Terraform**, **CDK**, **Boto3 SDK**, **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, 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, 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, Jenkins, Chef, 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, Bitbucket,** 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 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 **Puppet** 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 Sceince from **Anna University**, India (June-2012)

Cerifications:

AWS Solution Architect Associate Certified (2020)

Azure Admin Associate certified (2023)