






Sumanth Kumar

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PROFESSIONAL SUMMARY

- Resourceful **DevOps Engineer** experienced in evaluating and assessing client requirements and implementing infrastructure to solve identified problems.
- Build and Deployment Automation, Release Management, Packaging Quality Control, Source Code repository and Cloud Computing Platforms like **AWS, Azure, Google Cloud**.
- Proficient level of experience on DevOps tools like **Puppet, Ansible, Docker, GIT, Jenkins, Ant, Maven**.
- Experience in working with Version Control Systems/ Source Code Repository tools like **GIT, SVN**, GitHub.
- Experience in working with container-based deployments using **Docker**, **Docker** images, **Docker** files, Docker Hub, **Docker** Compose and **Docker** registries.
- Worked on **Docker** Container snapshots, attaching to a running container, removing images, managing directories, and managing containers.
- Experience with Docker containers and orchestration platforms such as **ECS, EKS, AKS** and **Kubernetes**,
- Involved with writing **Kubernetes** manifest files and docker files for application deployments.
- Created and wrote shell scripts (**Bash**), **Python**, **PowerShell** and **C#** scripting for automation.
- Experienced in Administration of Production, Development and Test environment's carrying **Windows, Ubuntu, and Red Hat Linux, SUSE Linux, Centos and Solaris servers**.
- 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 a **PaaS** or **IaaS** platform for private clouds like VMware, OpenStack, **CloudFoundry**.
- Excellent communicative, interpersonal, intuitive, analysis and leadership skills with ability to work efficiently in both independent and teamwork environments.

SKILLS

AWS Resources like EC2, S3, ELB, Auto scaling, Elastic Beanstalk, Elastic File system, RDS, Cloud Watch, Cloud trail, IAM, Lambda, Cloud Front, Cloud Formation, Boto3 SDK, SES. Azure

Resources like VM, Storage accounts, vNet, AKS, CosmosDb, ACR, Arm Template, Linux Environments like CentOS, Solaris, ubuntu, Rhel, fedora and windows servers, Jenkins, GIT, SonarQube, Nagios, Chef, JBoss, Bitbucket, Jfrog Artifactory, Selenium, Ansible, Terraform, Nexus, Angular JS, WebLogic, Kubernetes, Splunk, Elk, Apache, Docker, JIRA, Python, Shell scripts, UNIX/Linux, VMWare.

WORK HISTORY

DEVOPS/AZURE CLOUD ENGINEER

09/2021 to CURRENT

AgileThought | Tampa, FL

- Experienced in operational support for Cloud Platforms like **Azure** - Cloud Resource Deployment, Access Management, Network Changes, Manage Access to Tools.
- 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).
- Experienced in **Azure DevOps** Services (formally Visual Studio Team Services) **GIT** experience, including build and release pipeline automation, branching, merge and rebase strategies.
- Deployed **Azure** Kubernetes Clusters on cloud/on-premises environments with master/minion architecture and wrote many **YAML** files to create many services like pods, deployments, auto scaling, load balancers, labels, health checks, Namespace's, **ConfigMaps**, etc.
- Involved with writing **Kubernetes** manifest files and docker files for application deployments.
- Have also performed various **Kubernetes** services with pod security policies like restricting containers to **non-root**, configuring privilege access, host name (**PID** and **IPC**), hostNetwork & host ports, Restricting escalation to root privileges(**allowPrivilegeEscalation:false**) to secure our environment.
- Experienced in Installing, Configuring and Managing **Docker** Containers, **Docker** Images for Web Servers and Virtualized servers using **Docker** for test environments and dev-environments needs. And also, configuration automation using **Docker** containers.
- Designing and creating a release **pipeline** that promotes changes to various lower environments like **dev**, **qa**, **Staging**, **testing** and **performance** environments. Implemented deployment patterns (like blue/green pattern) that help smoothly roll out application features.
- Hands-on experience with provisioning, maintaining, deploying **Kubernetes** clusters in On-prem production environments using orchestration tool like

Rancher.

- Set up a continuous delivery (**CD**) pipeline that automates the process of deploying Web application on **Rancher Kubernetes** clusters.
- Identified, analyzed, and resolved infrastructure vulnerabilities and application deployment issues using Sysdig, linkerd, qualys....

DEVOPS/CLOUD SUPPORT ENGINEER

07/2020 to 08/2021

Boston Consulting Group | Chicago, IL

- Experienced in automating build and deployment workflows using **GIT**, **MAVEN**, **JENKINS**, **DOCKER** and **Ansible**.
- Expertise in Installation & Setup of code versioning tools like **GIT/ SVN** Repository (Version Control System) on **Linux** at client side.
- Experienced in dealing with Windows **Azure** IaaS - Virtual Networks, Virtual Machines, Cloud Services, Resource Groups, Express Route, Traffic Manager, **VPN**, Load Balancing, Application Gateways, Auto-Scaling.
- Experienced with **AWS** Cloud Formation Templates, **ARM Template**, **terraform** along with Ansible to render templates.
- Developed and maintained **CI/CD** process for enterprise **SaaS** and On-prem applications using tools like **Git**, **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.
- Worked with automated scripts for Build and Deployment of applications and Worked on Udeploy, to do 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 working with Configuration/Deployment Tools like **CHEF** (Knife, recipe, cookbook), **ANSIBLE** (Playbook, inventory) and **PUPPET** (Puppet manifests, Factor, catalog).
- Expert in Automation of Release and Deploy configuration management to different environments i.e. **QA**, Stage and **Production** and Supported in execution of assigned Change Tasks related to application.
- 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**.

DEVOPS ENGINEER

09/2018 to 06/2020

Huntington National Bank | Columbus, OH

- Monitored automated build and continuous software integration process to drive build/release failure resolution.
- 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.

- Extensive experience using **JENKINS CI/CD** Pipelines, **MAVEN**, and **ANT** as Build Tool for building of deployable artifacts from source code.
- Installed several plugins in **Jenkins** to support multiple tools required for implementation of projects.
- Developed and maintained Continuous Integration and Deployment systems using **GIT, Jenkins, Maven, and Nexus**.
- Work within team to design and develop Microsoft **Azure API** Management solutions using variety of technologies across broad set of industries.
- Deployed and configured Atlassian tools like **Jira**, Confluence, **Bitbucket**, Bamboo for both hosting and issue tracking for local instances, workflow collaboration, and tool-chain automation.
- Build scripts using **ANT** and **MAVEN** build tools in Jenkins, Sonar to move from one environment to other environments.
- 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.
- Strong understanding of different **SDLC** methodologies including **Waterfall, Agile** etc.
- Installed, Configured and Managed Monitoring Tools such as **Nagios** for Resource Monitoring/ Network Monitoring/ Log Trace Monitoring.
- Created automation and deployment templates for relational and **NOSQL** databases including **MongoDB** and **Redis**.

DEVOPS ENGINEER

01/2018 to 09/2018

ACT | Coralville, IA

- Monitored automated build and continuous software integration process to drive build/release failure resolution.
- Expertise in Installation and configuration of automated tool like **Puppet** which includes Puppet Master, Agent Nodes and 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 workflows used to access.
- Used **Kubernetes** to deploy scale, load balance, scale and manage agile containers with multiple namespace versions.
- Experience in creating **Docker** Containers leveraging existing **Linux** Containers and **AMI's** in addition to creating **Docker** Containers from scratch. Also experienced using Kubernetes for deployment like **OpenShift**.
- Designing **AWS** Cloud Formation templates using **JSON** and **YAML** to create multi region web applications and databases.

- Installed and Configured Jenkins to build various jobs for application deployment and test cases execution.
- Worked on **AWS EC2** Instances creation, setting up **AWS VPC**, launching AWS EC2 instances different kind of private and public subnets based on requirements for each application.
- Worked on AWS Elastic load balancing for deploying applications in high availability and AWS Auto Scaling for providing high availability of applications and **EC2** instances based on load of applications.
- Used AWS **S3** to store code bundles to deploy onto AWS **EC2** Instances. and configured **DNS** management using AWS **Route53**.
- Worked on Chef for configuration management and infrastructure automation.
- Worked on Chef Automation including writing **Cookbooks** and customized recipes for test driven development environments and setup **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.

LINUX ADMINISTRATOR

11/2012 to 05/2015

Virtuesoft Inc | Hyderabad, IN

- Installed system-wide hardware components, confirming interoperability and compatibility with Linux-based software.
- Provided input on hardware and software purchasing, prioritizing return on investment to optimize IT spending.
- Developed organization-wide administration policies to encourage continuity across multiple systems and facilities.
- Coordinated cross-site installation of networked systems, confirming post-install connectivity.
- Experienced in Administration of Production, Development and Test environment's carrying **Windows**, **Ubuntu**, and **Red Hat Linux**, **SUSE Linux**, **Centos**, and **Solaris servers**.
- Experience in installation, configuring, upgrading, patching, monitoring, troubleshooting and Deployment and management of web and enterprise application on **Linux** Servers.
- Installed Jenkins on **Linux** machine and created master and slave configuration through build farm for implementation of multiple parallel builds.
- Deployed code on **Tomcat**, **JBoss** Application Servers for **UAT** and Development environments.
- Installed, Configured, and maintained Windows Servers. Assisted in installation, configuration, and administration of **RedHat**, **Linux**, **CentOS** 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 requirements.
- Assisted in ongoing system performance, system application tuning, hardware upgrades and resource optimization as required.
- Configured **CPU**, memory and disk partitions as required. Systems performance monitoring.
- Assisted in creating and managing users and groups, assign permissions and control access to files.
- Provided first level contact. Troubleshoot application issues on platform and convey resolutions to customer issues.
- Provided telephone and in-person support to end users for network and application issues.
- Document and update all customer correspondence relevant to internal information via ticketing system.

EDUCATION

○ **Master of Science** | Computer and Information Sciences
Wilmington University, New Castle, DE

12/2017

○ **Bachelor of Science** | Computer Science and Programming
Anna University, Chennai, IN

10/2012