**KAPIL VINJAMOORI**

kapilvinjamoori297@gmail.com **510-256-5898**

**SUMMARY**

* Over **9** years of IT Experience in Multi Cloud/DevOps Engineer with CICD, Configuration Management, Scripting on Cloud, & On Premises.
* Automated the build & deployments for many applications from end-to-end using CICD strategies with various DevOps tools and technologies.
* Experienced as Lead for building backend infrastructure from scratch using core cloud services (AWS – Developer Tools, IAM, CFT, R53, VPC, *S3, EC2, ELB, EBS, Lambda, Auto-Scaling, Cloud Watch & Cloud Trail,* Azure- Repo, Pipeline, Artifacts, AD, VNet & ARM).
* Expertise in DevOps, Release engineering, Configuration management, Deployment Automation, Cloud Infrastructure, Automation with Agile methodologies which incorporates *Azure,* *AWS, Bitbucket, Jenkins, IBM UCD, Nexus, JFrog, SonarQube, Ansible, Chef, Tomcat, JBOSS, WebLogic, Linux, Python & Shell Scripting*.
* Hands on experience with *Docker* containers and Kubernetes clusters with its configuration based on requirements and maintaining the *Docker hub* for container images.
* Expertise in working as Linux Administration & Release Engineer on Multi data center project for successfully migrating 150+ active Critical Dependency Production applications into secondary data center and perform the shakeout strategies.
* Engaging with Enterprise Shared Services which are dependent on multiple applications and come up with the strategies to implement it for production environment setup and synchronization with multiple data centers.

**TECHNICAL SKILLS**

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| **Software Build Tools** | *Ant v1.9, Maven v3.0.3, Nexus Repository Manager v2.1, JFrog v7.7, Nexus IQ Server v1.38* |
| **Version & Release Control Systems** | *SVN 1.8, GIT 2.12 & BitBucket v4.13, Gitlab* |
| **Config. Management Tools** | *Chef, Ansible* |
| **Cloud & Containers** | *AWS - CodeCommit, Code Pipeline, EC2, S3, EBS, Lambda, ECR, IAM, VPC, CFT, Cloud Watch, Auto Scaling, R53, Azure – Storage, DevOps, Migrate, Google - Cloud Code, Cloud Build, Cloud IAM, Cloud Storage, Terraform, Docker & Kubernetes* |
| **CICD Tools** | *Cloudbees Jenkins 2.x/Hudson 3.2, IBM Clear Quest 8.0.1, IBM UCD, Bamboo 5.1x* |
| **Web & Middleware Services** | *JBOSS AS 7.1/EAP 6.3, Apache 2.2/4, IBM WebSphere 6.x/7, Nginx 1.12/13, Tomcat 8.x/9, WebLogic 11g/12cR1/R2, VMware ESXi 6.x* |
| **DB Technologies** | *Oracle 12c, MySQL, Cosmos DB* |
| **Ticketing/Documentation Tools** | *JIRA v7.3.1, Bugzilla v4.4, Confluence v5.8.* |
| **Operating Systems** | *RHEL v6.x/7.x, Ubuntu v13.x/14.1, Cent OS v5.x/6.x, Windows Server 2008, 2012, 2016* |
| **Business Management** | *Tableau, iTIL v3 Foundation, Agile Methodology* |
| **SDK & Monitoring Tools** | *JDK SE v8/9/10, Nagios v4.2.x/3.x, Splunk v6.x/7.x* |
| **Programming & Scripting** | *Java, Shell Scripting, Python, Groovy* |

**CERTIFICATIONS**

* **AWS *Certified Solutions Architect***
* **AWS *Certified Developer***

**EMPLOYMENT HISTORY**

**Client:** ***Foot Locker*** **Dec 2020 – Present**

**Location:** NYC, NY

**Role:** **Azure/DevOps Engineer**

**Responsibilities:**

* Developing the deployment & delivery pipelines in Jenkins using groovy-based DSL and integrating it with various DevOps tool such as Gitlab, Maven, Jenkins, Nexus, UCD, SonarQube, Selenium, for ensuring code quality during continuous delivery.
* Developing complex Shell and Python scripts to automate the code checkout process from Git, Azure Repo and build the artifact using Maven to deploy it to the physical, cloud and container environments (Development, Test, & Production environments).
* Developing Azure ARM in JSON and YAML to automate orchestration and the environment provisioning on cloud to maintain the stability of the applications on each environment.
* Developing Python and Bash scripts for DNS routing & networking to perform post deployment activities on production and trigger the calls to specific target hosts and APIs to retrieve the metadata from the logs and attach to release notes.
* Administering build & deployment activities for on-premises and cloud applications to troubleshoot critical build & production deployment issues.
* Implementing CICD strategies using Agile methodology by integrating various DevOps tools in the pipelines (Git, Azure Repo, Maven, Jenkins, Nexus, UCD, Chef, Azure-VM, Blob, ARM, IAM, Terraform, Autoscaling, Docker, Kubernetes) with Python, YAML, Groovy & Go scripting languages for automation of cloud & on-premises applications.
* Deploying and managing applications on docker containers using docker images written in dockerfile, and Kubernetes clusters, hosted on cloud using *Kubectl* and for inspecting the cluster resources to create, update and delete components.
* Developing Terraform scripts in JSON for configuring the resources, application packages and for building, changing & versioning the infrastructure services to provide the monitoring alarms on cloud and on-premises environments.
* Creating *Chef* recipes & cookbooks from scratch and integrating them into *Jenkins* jobs for continuous delivery framework to automate the deployment process into infrastructure as code strategy.

**Environment:** *Azure - Repo, Pipeline, Artifacts, Blob, ARM, Traffic Manager*, *Maven, Cloudbees Jenkins, Nexus, JFrog, Terraform, Chef, Docker, Kubernetes, Service Now, Shell Scripting, Python, JBOSS, Tomca, JIRA, Confluence.*

**Client:** ***State Street Corporation*** **Nov 2019 – Dec 2020**

**Location:** Boston, MA

**Role:** **AWS/DevOps Engineer**

**Responsibilities:**

* Implemented technical solutions in building CICD pipeline using Azure (Repo, Pipeline, VM, VNet, Artifacts, Blob) and enabling the automation for platform specific applications using Terraform and ARM.
* Leading multiple teams with around 15 members to perform their everyday activities of cloud environment and support development teams to help troubleshoot the deployment issues and maintain the environments for high availability and data redundancy.
* Mentoring the team members to help them understand the DevOps methodologies with various tools and technologies (Bitbucket, Jenkins. Nexus, JFrog, SonarQube, IBM ICD, Ansible, Python & Shell Scripting).
* Automating continuous integration process with zero manual intervention by integrating Bitbucket, Maven, Jenkins and pushing the build artifacts to JFrog and Nexus.
* Automating the end-to-end CICD pipeline for different platform specific applications using various DevOps tools by following industry standard best practices.
* Writing Python scripts for building, deploying and running post deployment activities after each release and performing complex tasks to monitor the system performances on production environments.
* Building and managing applications on multi-tier architecture hosted on AWS CodeCommit, CodeDeploy, CodePipeline, EC2, VPC, IAM, S3 and orchestrating the services with auto-scaling technique using Terraform.
* Writing Terraform scripts for providing the monitoring alarms on cloud and on-premises environments.
* Writing Ansible YAML scripts for configuring and patching remote servers using Ansible.
* Configuring and Integrating the nodes with various environments to automatically provision new machines with Ansible.
* Automated the scheduling, rollout and rollbacks using Kubernetes to launch container on particular cluster nodes and bring it to desired state.
* Integrated the deployment of ECK applications with Kubernetes for CICD automation and use webhook for validation and troubleshooting.
* Deployed and managed applications on Kubernetes using Kubectl and for inspecting the cluster resources for creating, updating and deleting components.

**Environment:** *Azure - Repo, Pipeline, Artifacts, Blob, ARM, Traffic Manager,*AWS – Code Commit, Code Pipeline, EC2, S3, VPC, IAM, RDS, R53, Lambda, *Maven, Cloudbees Jenkins, Nexus, JFrog, Terraform, Ansible, Docker, Kubernetes, Service Now, Shell Scripting, Python, JBOSS, Tomca, JIRA, Confluence.*

**Client:** ***Fannie Mae*** **Oct 2017 – Nov 2019**

**Location:** Herndon, VA

**Role:** **AWS/DevOps Engineer**

**Responsibilities:**

* Automating the build and deployments for different platform specific applications from end-to-end on AWS EC2, EBS, S3, IAM, Route53, Lambda, SNS to reduce manual interventions for application teams in agile environment using DevOps strategies.
* Developing the deployment & delivery pipelines in Jenkins and integrating it with various application specific testing tools (Selenium, Cucumber & SonarQube) for code quality during continuous delivery.
* Implementing CICD strategies to advance the DevOps methodologies on cloud & on-prem environment using AWS Lambda as serverless architecture to improve the agile development.
* Written python scripts for performing post deployment actions and trigger the calls to specific hosts or API to retrieve the metadata from the logs and attach to release notes.
* Implemented the rapid application development and iteration by making it easy to deploy, update and manage the applications and services on ECS and EKS.
* Building, publishing the customized interactive reports and dashboards, report scheduling using Tableau server.
* Developing Tableau workbooks, visualizations and dashboards from multiple data sources using Data Blends and using Tableau desktop.
* Worked on providing to manage environment for deploying and scaling the containerized applications using Kubernetes.
* Coordinated in all aspects of production release management lifecycle including development and test activities by engaging with different application teams and provide DevOps solutions to improve their current build & deployment process for automation with various CICD tools.

**Environment:** *AWS – Developer Tools, CFT, EC2, S3, IAM, R53, Lambda, Auto scaling, ELB, VPC, Beanstalk, RDS, ECS, EKS, BitBucket, Ant, Maven, Cloudbees Jenkins, Nexus, JFrog, IBM Clear Quest, IBM UCD, Kubernetes, Tableau, Service Now, JIRA, Confluence, Shell Scripting, Python, JBOSS, Tomcat, WebLogic.*

**Client:** ***General Motor Company*** **Jan 2016 – Oct 2017**

**Location:** Detroit, MI

**Role:** **AWS/DevOps Engineer**

**Responsibilities:**

* Handled the configuration of servers for specified applications on Amazon *EC2* Cloud Servers using Linux *Amazon Machine Images* (*AMI*).
* Wrote custom cookbooks for automating components that are not available in marketplace.
* Delivered solutions to improve the CI/CD pipeline process, cloud architecture, deployment for *AWS* Private and Public Cloud and automate the agile methodologies.
* Delivered support for many *AWS* Services like *EC2, EBS, S3, Cloud Watch, Cloud Front, IAM, Security Groups, Auto-Scaling AWS CLI* and *Cloud Watch* monitoring, creation and updating.
* Operated on configuration management tool *Chef* for Continuous Delivery and rewritten recipes for new environments.
* Automated weekly releases with *ANT/Maven* scripting to compile, debug Java code and placing builds into *Nexus* repository.
* Integrated *Chef* cookbooks into *Jenkins* jobs for continuous delivery framework by writing *Chef* cookbooks and recipes to automate the deployment process.
* Installed, configured and automated the *Jenkins* build jobs with *AWS* deployment pipelines using various plugins like *Jenkins-EC2* plugin and *Jenkins-Cloud Formation* plugin.

**Environment:** *AWS - EC2, S3, EBS, VPC, IAM, AWS CLI, Cloud Formation, CloudWatch, SVN,**GIT, Jenkins, Chef, Ant, Maven, Nexus, Linux, Ruby, Perl, Shell Scripting, Python, JBOSS, WebLogic, Apache.*

**Client:** ***Web Synergies India Pvt Ltd*** **Feb 2014 – Aug 2015**

**Location:** Banjara Hills, Hyderabad

**Role:** **AWS/DevOps Engineer**

**Responsibilities:**

* Managed virtual Linux and Windows servers on *AWS EC2* by creating *Chef* nodes through open-source *Chef*-server.
* Incorporated in automated tests using shell scripts and security scans with Sonarqube and CloudWatch into CI/CD pipeline in Dev, Test environments on AWS.
* Delivered solutions to improve the CI/CD pipeline process, cloud architecture, deployment for *AWS* Private and Public Cloud and automate the agile methodologies.
* Expertise in *Identity Access Management* (*IAM)*, created users, groups and assigned roles based on their duties and generated *EC2* instances and installed applications on Amazon *VPC*.
* Actively participated in ongoing design, implementation and maintenance of systems and tools on AWS cloud environment.
* Experienced in reviewing routine Web Vulnerabilities scans and bringing in resources to remediate any open issues.

**Environment:** *AWS - EC2, S3, EBS, VPC, IAM, AWS CLI, Cloud Formation, CloudWatch, SVN,**GIT, Jenkins, Chef, Ant, Maven, Nexus, Linux, Ruby, Perl, Shell Scripting, Python, JBOSS, WebLogic, Apache.*

**Client:** ***3i Infotech Ltd*** **Jan 2013 – Feb 2014**

**Location:**Financial District, Hyderabad

**Role:** **DevOps/Release Engineer**

**Responsibilities:**

* Managed virtual Linux and Windows servers by creating *Chef* nodes through open-source *Chef*-server.
* Utilized *Chef* platform configuration system through initial technology development, production and maintenance for deploying and managing many servers utilizing both traditional and cloud-oriented providers.
* Creating *Security groups* for both individual instances and for group instances under a network.
* Working on development teams to design, create and implement infrastructure for new products and features for the gimmal portfolio.
* Provided support as needed for system design, upgrade in project planning and keep systems highly scalable secure and available.
* Designed and developed reusable components, code and documented the custom automation frameworks, maintaining the scripts and update as need for Continuous Delivery.
* Written Shell scripts in *Linux* for automating the backups to transfer the data into *S3* bucket.

**Environment:** *SVN,* *GIT (GitHub), ANT, Maven, Chef, Jenkins, Docker,* *Linux, WebLogic, Cloud Watch, Apache Tomcat, Ruby, Perl, Python, Shell Scripting.*

**Client: *Celigo, Inc***  **Dec 2010 – Jan 2013**

**Location:** Hyderabad, India

**Role:** **Linux Administrator**

**Responsibilities:**

* Provided 24x7 on-call support in debugging and fixing issues related to *Linux, Solaris, HP-UX* Installation/Maintenance of Hardware/Software in Production, Development & Test Environment as an integral part of the Unix/Linux (*RHEL/SUSE/SOLARIS/HP-UX*) support team.
* Installed/Configured/Maintained/Administrated the network servers *DNS*, *NIS*, *NFS*, *SENDMAIL*, Involved in adding new disks, formatting, partitioning, disk space allocation, monitoring system performance, system tuning, server hardening and crash recovery issues.
* Monitored the performance of the system using *ps*, *prstat*, *vmstat*, *mpstat*, *perfmeter* and *iostat* commands to check the CPU utilization, bottlenecks of I/O devices, Memory usage and Network traffic.
* Worked in environment containing Solaris zones/containers and involved extensively in trouble shooting the issues by finding out root causes, analyzing core dumps and resolved system crashes.
* Maintained Load balancing, high availability, failover functionality and disaster recovery included changing IP address of the web and app server machines, which caused change in the virtual host and http transport configurations.

**Environment:** *RHEL 5/6 & AIX 6.1, Solaris, HP-UX, DNS, NIS, NFS, SENDMAIL, SAN, VMware, Perl Scripts, Shell Scripts*

**EDUCATION**

* Jawaharlal Nehru Technological University – Hyderabad, India

*Bachelor of Technology* – Class of 2010

* Central Michigan University – Mount Pleasant, Michigan

*Master of Science* – Class of 2016

**ACHIEVEMENTS**

* Migrated more than 50 Critical Dependency Applications to Multi Cloud environments successfully with proper CICD strategies and enabling the synchronization with Production.
* Automated the build, test and deployments with various devops tools integration on Azure DevOps, AWS Stack and On-prem.
* Implemented best CICD practices & strategies in multiple portfolios by engaging with Enterprise Shared Services.
* Delivered solutions to improve cloud architecture, deployment for *AWS* Private/Public Cloud and Docker containerization.