**Name: P Kiran**

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**PROFESSIONAL SUMMARY:**

* Sr. Cloud & DevOps professional with about 9+ years of IT Experience as **Cloud/DevOps** Engineer comprising of **Linux** and **System Administration** with major focus on **AWS, Azure, GCP, OpenStack,** **Continuous Integration, Continuous Deployment, Configuration Management**, Build/release Management tools like **Git, Jenkins, Kubernetes, Maven, Ant, Chef, Docker** and Virtualization technologies which also includes Troubleshooting and Performance issues.
* Hands on experience in Build Release management, **shell/Bash scripting**, Linux Administration.
* 3+ years of experience on various DevOps tools like **Ansible**, **Kubernetes, Puppet**, **Vagrant**, **Chef**, **Jenkins**, **AKS**, **Docker**, **SVN**, and **GIT** working closely with developers to integrate automation and managing various applications
* Experience in designing a **Terraform** and deploying it in cloud deployment manager to spin up resources like cloud virtual networks, **Compute Engines** in public and private subnets along with **AutoScaler** in **GCP**
* Experienced in working on **DevOps/Agile** operations process and tools (Code review, unit test Automation, Build & Release automation, Environment, Service, Incident and Change Management)
* Worked on various flavours of Linux and Unix Servers (**RHEL**, **Solaris**, **Oracle Enterprise Linux**, **Ubuntu**)
* Designed, configured and managed public/private cloud infrastructures utilizing Amazon Web Services (AWS) including **EC2**, **Auto - Scaling** in launching **EC2** instances, **Elastic Load** **Balancer**, **Elastic Beanstalk**, **S3**, **Glacier**, **RDS**, **VPC**, **Direct Connect**, **Route53**, **Cloud Watch**, **Cloud Formation**, **IAM**, **SNS**.
* Worked with **Puppet** for application deployment and environment configuration.
* Experience in DevOps monitoring tools integrated solution with container (**Splunk**, **New Relic**, **Datadog**, **Nagios**, **Prometheus** and **Grafana**)
* Expertise in configuring Alert mechanisms with **Nagios**, **Splunk**, error logging, performance monitoring.
* Experience in using version control tools like **Subversion** (SVN), **TFS**, **GIT**, **GITHUB**, **Bitbucket** and **MSBUILD**.
* Worked with Amazon Web Services (AWS) for application migration from hard structure to amazon.
* Worked on **Hybrid Cloud** with applications built on infrastructure with a combination of both on-premises and Azure.
* Experience in **User Management** and **Plug-in Management** in Jenkins and deployed the build files in many different Servers.
* Experience using **Maven as a Build Tool for the working of deployable artifacts** (war & ear) from source code and used **Maven** dependency management system to deploy snapshot and release artifacts to **Nexus** to share artifacts across projects.
* In-depth knowledge of computer applications and scripting like **Shell**, **Python**, **Ruby**, **Perl**, **JavaScript** and **YAML**.
* Deployed **AKS** clusters using ARM templates. Created scalable clustered infrastructure using AKS and ARM templates.
* Managed **Kubernetes** charts using **Helm**. Created reproducible builds of the **Kubernetes** applications, **Kubernetes** manifest files and releases of **Helm** packages.
* Well versed with installing and configuring WebLogic Servers in a Cluster environment to provide High Availability, Load balancing, Session replication, Multi-pools, JDBC Connection Pools, Disaster Recovery, scalability and Fail over support.
* Experience in creating the company's DevOps strategy in a mix environment of Linux (RHEL, CENTOS, Windows) servers along with creating and implementing a cloud strategy based on Amazon Web Services (AWS).
* Experience working on several Docker components like **Docker Engine, Hub, Machine, Compose and Docker Registry**.Designed **Docker images** & linked Docker containers for secured way of data transfer.
* Knowledge on **networking protocols** (e.g., HTTP, TCP, IP, SSH, FTP, SMTP, DNS, DHCP NFS, RPM,
* Implemented Chef Recipes for Deployment on build-on internal Data Centre Servers. Also, re-used and modified the same Chef Recipes to create a Deployment directly into Amazon EC2 instances.
* Worked with Docker Management Platform, Leveraged Custom Docker Images as Containerized Apps within the Docker Engine as Multi Stack Application like **LAMP**
* Quick in learning new technologies and a good team player working with Project Managers, Architects, Team Leads, Developers, Business Analysts, Testers.

**Technical Skills:**

* ***Build Tools:*** MAVEN, ANT, Gradle, MS Build and cruise control.
* ***Bug Tracking Tools:*** JIRA, Fisheye, Bamboo, confluence, IBM ClearQuest.
* ***Web/ Application Servers:*** Apache Tomcat, Apache Proxy, JBOSS, Web sphere, Web logic.
* ***SCM/Version Control Tools:*** GIT, SVN, Perforce, Team Foundation Server (TFS), Clear Case & Team city.
* ***Automation container*:** Docker, Kubernetes marathon and Mesos.
* ***Continuous Integration Tools:*** Jenkins/Hudson, bamboo, Teamcity, Build Forge, TFS Visual Studio Build.
* ***Continuous Deployment tools:*** Puppet, Ansible and Chef.
* ***Application configuration :*** MongoDB, Node Js & Terraform.
* ***Cloud services :*** MS Azure and Amazon Web Services (AWS), EC2, RDS, VPC, S3, ROUTE53, SNS, SQS, Cloud front, EBS, ELB, Cloud watch, Elastic beanstalk, OpenShift, OpenStack, Heroku and Cloud trail.
* ***Monitoring tools:*** Nagios, splunk, grafana, sonarqube and Selenium.
* ***Scripting Languages:*** UNIX, Shell scripting, Ruby, YAML and Python.
* ***Operating system:*** UNIX, Linux (Ubuntu, Debian, Red Hat, Centos) & Windows.
* ***Content management tools:*** Neos, Ektron and Alfresco.
* ***Programming Languages*:** C, C++, Java/J2EE, .Net (NuGet packages).
* ***Database*:** RDBMS Oracle, Teradata, MongoDB, Cassandra, MY SQL, SQL Server.

**PROFESSIONAL EXPERIENCE:**

**South West Airlines, Dallas TX May 2022 - Present**

**Role: Sr System Engineer**

**Roles & Responsibilities**

* Defined infrastructure builds using **Cloud Formation.**
* Designed secured, cost optimized, highly available and fault tolerant infrastructures in AWS.
* Managed provisioning of **AWS infrastructures** using **Cloud Formation**.
* Building/Maintaining **Docker container** clusters managed by **Kubernetes** Linux, Bash, GIT, Docker, on AWS cloud.
* Utilized **Kubernetes** and **Docker** for the runtime environment of the **CI/CD system** to build, test and deploy.
* Implemented security best practices in AWS including **multi factor authentication**, **access key** **rotation**, **role-based permissions**, enforced **strong password policy**, configured security groups and **NACLs**, **S3 bucket** policies and **ACLs** etc.
* Delegated access across **AWS accounts** using **IAM cross account roles**.
* Leveraged **STS** to generate and provide **temporal credentials** to users.
* Configured **Cloud Watch** alarms rules for operational and performance metrics with **SNS** notifications for end to end monitoring of our AWS resources.
* Architect a static website to host a one-time event or in a disaster recovery scenario by leveraging **Route 53**.
* Established communication between VPCs using VPC Peering and Transit Gateway.
* Configured lifecycle configuration rules on **S3** **buckets** to move data between storage classes for easy accessibility, archiving and or cost optimization.
* Optimized cost through reserved instances, selection and changing of **EC2** types based on resource need, Auto Scaling etc.
* Designed a highly performing infrastructure for elasticity and scalability using Elastic Cache to cache common queries on a database, Cloud Front - Edge Locations and read replicas for read queries.
* Used **Jira** to plan, track, support and close requests, tickets, and incidents.
* Support the entire product cycle from source control to building, Migrating, maintaining and deploying Java code to **Nexus** or **Artifactory**.
* Created and modified multiple **Python, Bash, Ruby and Shell Scripts** for various application-level tasks.
* Setup and configure new builds, monitor build failures, identifying the cause and notifying developers to address the issue
* Immediate fix for the code is key in Agile workflow (Continuous improvement), Hence automatic error notification plays an important role in software development.
* Participated in capacity planning, system design and platform management discussions and played a role as **SRE.**

**Environment:** Java/J2EE, AWS, Azure, Ant, GIT, Subversion, JIRA, Jenkins, Linux, Shell scripts, Apache web server, JBoss Application server, Docker, Chef, AWS EC2, RDS mysql, Route 53, Python, UNIX, Redhat EL v 5.x, 6.x, 7, 8, SUSE v9, 10.0, 11.x, Ubuntu 6.10, 9.10, OEL.

**Deloitte, Tampa FL Jan 2021 – May 2022**

**Role: Senior Consultant**

**Roles & Responsibilities**

* Worked on Deloitte’s award winning audit project **Dnav.**
* Defined infrastructure builds using **ARM templates**
* Designed secured, cost optimized, highly available and fault tolerant infrastructures in Azure.
* Managed provisioning of **Azure infrastructures** using **AZ DevOps** as CI/CD.
* Building/Maintaining **Docker container** clusters managed by **AKS,** Linux, Bash, GIT, Docker, on Azure cloud.
* Utilized **AKS** and **Docker** for the runtime environment of the **CI/CD system** to build, test and deploy.
* Implemented security best practices in AZURE including **multi factor authentication**, **access key** **rotation**, **role-based permissions**, enforced **strong password policy**, configured security groups and **Azure key vault**.
* Delegated access across **AZURE portal** using **RBAC**.
* Leveraged **Azure Active Directory** to generate and provide **temporal credentials** to users.
* Configured **Azure App Insights** and written **Kusto queriers** to monitor operational and performance metrics with **Teams** notifications for end to end monitoring of our Azure resources.
* Architect a static website to host a one-time event or in a disaster recovery scenario by leveraging **Azure Traffic Manager**.
* Configured pipelines in **Azure Data Factory** to move data between databases and storage accounts for easy accessibility, archiving and or cost optimization.
* Optimized cost through reserved instances, selection and changing of **VM** types based on resource need, Auto Scaling etc.
* Designed a highly performing infrastructure for elasticity and scalability using Elastic Cache to cache common queries on a database, Azure CDN - Edge Locations and read replicas for read queries.
* Used **Jira** to plan, track, support and close requests, tickets, and incidents.
* Support the entire product cycle from source control to building, Migrating, maintaining and deploying Java code to **Azure Artifacts**.
* Created and modified multiple **Python, Bash, Ruby and PowerShell Scripts** for various application-level tasks.
* Setup and configure new builds, monitor build failures, identifying the cause and notifying developers to address the issue
* Immediate fix for the code is key in Agile workflow (Continuous improvement), Hence automatic error notification plays an important role in software development.

**Environment:** Java/J2EE, Azure, Ant, GIT, Subversion, JIRA, Azure DevOps, Linux, PowerShell scripts, Apache web server, JBoss Application server, AKS, Docker, Puppet, RDS MySQL, Route 53, Python, UNIX, Redhat EL v 5.x, 6.x, 7, 8, SUSE v9, 10.0, 11.x, Ubuntu.

**GALLAGHER, NY Apr 2019 - Dec 2020**

**Role: Cloud / DevOps Engineer**

**Roles & Responsibilities**

* Worked with an agile development team to deliver an end to end continuous integration /continuous delivery product in an open source environment using **Chef** and **Jenkins**.
* Setup **GCP Firewall** rules to allow or deny traffic to and from the VM's instances based on specified configuration and used GCP **cloud CDN** (content delivery network) to deliver content from GCP cache locations drastically improving user experience and latency.
* Worked on google cloud platform (GCP) services like **compute engine**, **cloud load balancing**, cloud storage, cloud SQL, **stack driver monitoring** and cloud deployment manager.
* Used the continuous Integration tools such as **Jenkins** for automating the build processes.   Create a Jenkins job to build the artifacts using **maven**, deploy the **Terraform templates** to create the stack.
* Support a high-level AWS hosting group using **Bamboo/Alfresco** in the DevOps environment to manage the integration of various scripts for continuous deployment.
* Worked on development of Configuration scripts for Dev and Prod servers.
* Experience in Build/Release Automation with **Docker** and **Jenkins**.
* Implemented cloud services IAAS, PAAS , and SaaS which include Openstack , Docker and **OpenShift** .
* Used **Docker** and **OpenShift** to manage micro-services for development and testing.
* Creating scripts for system administration and AWS using languages such as **BASH** and **Python.**
* Build and deployJ2EE application in Web Sphere. Build and maintain SQL scripts and execute different scripts for different environments.
* Developed Chef Cookbooks, recipes, Roles, attributes in **Ruby** and **Cloud Formation templates**.
* Used a microservice architecture, with Spring Boot-based services interacting through a combination of **REST** and **MQ** and leveraging AWS to build, test, and deploy Identity micro services and JSP, CSS3, jQuery and Angularjs.
* Worked on establishing a streamlined release process for the development team from scratch.
* Combined Chef and AWS Cloud Formation to automate the deployment using **JSON framework**.
* Performed SVN to GIT migration and Implemented & maintained the branching and build/release strategies utilizing GIT.
* Created and maintained Shell deployment scripts for WebLogic web application servers.
* Created **Amazon S3 buckets** to keep the web app files and the Cloud Formation templates.
* Used Jenkins to create a build job that spawns the Cloud Formation stack using **Jenkins-Cloud Formation-plugin**.
* Written custom scripts for backing up data for more than 2 weeks into the S3 bucket and for a longer period the data was moved to **RedShift**.
* Created **AWS Route53** to route traffic between different regions.
* Worked on testing, evaluation and troubleshooting of MongoDB and Cassandra NoSQL database systems and cluster configurations to ensure high availability in various crash scenarios.
* Working with **Terraform** to create AWS components like **EC2**, **IAM**, **VPC**, **ELB**, Security groups
* Manage Amazon redshift clusters such as launching clusters and specifying node type as well.
* Automated provisioning and scaling of the Couch base cluster using AWS Opsworks stacks.
* Used **Nagios** tool to monitor the host services actively and passively.
* Aptitude for wiring up key application performance metrics and alerting such as New Relic or Nagios
* Created monitors, alarms, and notifications for EC2 hosts using CloudWatch and for App using Nagios.

**Environment:** Azure, GCPnpm, OpenStack, Terraform, Redhat Linux 6.x,7.x, CentOS 5.x,6.x ,7, TFS, EMR, Docker, Kubernetes, SonarQube, Jenkins, OpenShift, Ansible, Bash, Python, GIT, Maven, Nagios XI, ELK, SSL, Apache HTTP server, Tomcat, Apache JMeter, JIRA, TLS.

**Robert Half, CA Oct 2017 - Mar 2019**

**Role: DevOps Engineer**

**Roles & Responsibilities:**

* Management and deployment of **Kubernetes Cluster** on Multi Nodes with **Kubespray** & **Ansible Playbook**.
* Configuration and Management of **Horton Hadoop** and **Cloudera Hadoop Cluster**.
* Managed and maintained the tool chain, part of the CI/CD infrastructure. This included installation and configuration of the tools to build the CI/CD Pipeline.
* Worked with **Docker & Kubernetes** on multiple cloud providers, from helping developers build and containerize their application (CI/CD) to deploying either on public or private clouds.
* Experience working on several Docker components like **Docker Engine**, **Hub**, **Machine**, **Compose** and **Docker Registry**.
* Implemented a production-ready, load balanced, highly available, fault tolerant Kubernetes infrastructure.
* Worked with Docker Management Platform, Leveraged Custom Docker Images as Containerized Apps with the Docker Engine as a Multi Stack Application.
* Installation and configuration of monitoring tools **Splunk**, **EFK**, **Grafana**, **Prometheus** for different environments.
* Worked on creating the Docker containers and Docker consoles for managing the application life cycle.
* Experience in Jenkins monitoring external jobs, distributed builds, and plugin management.
* Leveraged several Jenkins plugins to automate tasks like code coverage, metrics, aws-ec2 plugin, and job creation.
* Setup and configuration of Web servers using **Apache** and **NGINX**.
* Used Maven dependency management system to deploy SNAPSHOT and RELEASE artifacts to **JFrog** to share artifacts across projects.
* AWS, Large scale Infra env consisting of over 400+ Linux & Windows Instances running multiple technologies including **Apache**, **Nginx,** **MemcacheD**, **MySQL**, **Tomcat**, **Kafka**, **AWS**, **Dockers**, **Nexus**, **Jenkins**, **Zookeeper**, **Storm**, **Hadoop**, **H-Base**, **Data dog**, **Log-watch**, **Postfix**, **ELK-Stack** & **EFK-Stack**.
* Private Cloud with Cloud-Stack and VMware EXSI consisting of 80-100+ Linux Environment for Hadoop and Other Development Tools
* Designed and implemented Ansible with Vagrant and Docker Containers to configure, install, manage and deploy releases across all environments.

**Environment**: RHEL, Maven, Ant, Apache, MYSQL, RDS, Jenkins, OpenShift, Subversion, GIT, GitHub, SonarQube, Artifactory, Nginx, AWS, Docker, Kubernetes, Tomcat, Splunk, WebLogic, Bugzilla, Shell scripts, Python.

**Value labs, India July 2016 - Sep 2017**

**Role: Linux / Build and Release Engineer**

**Roles & Responsibilities:**

* Promotion of Code - includes both manually compiling and builds through **TFS**.
* Tracked software customization, defects, and issues via TFS.
* Worked on **TFS Sandbox**.
* Mentoring the Accel team for TFS activities, providing Coaching & delivering Application Lifecycle Management Tools.
* Automated the test scripts using VSTS framework with MTM interface integration and Coded UI.
* ATG page development using **JSP** (java server pages) tag library, custom droplet with ACC as development tool.
* Build credibility, establish reports, and maintain communication with stakeholders at multiple levels, including those external to the organization.
* Coach, mentor, and lead personnel within a technical team environment.
* Monitored, maintained, and controlled hardware and software configurations in a classified network environment.
* Developed and maintained automated build scripts written with MS build.
* Implement, define, and enforce processes throughout each project's lifecycle.
* Led-Cross-functional team that analyzed, identified, documented requirements for, and implemented an enterprise wide source code control and bug/issue tracking system.
* Set up "Continuous Integrations" & Manual Build Triggers for Build Definitions that does a Deployment into the Servers.
* Uploaded Reports on to Report manager and Organized them based on Business Rules.
* Network troubleshooting in complex environments, VLAN configurations.
* Assist in development, improvement and maintenance of imaging, deployment solutions.
* Administer multiple disjoint Active Directory Forests, Domains, DHCP, DNS and various other Infrastructure services. Trust relationships setup, dc promo and decommission of AD.
* Supporting servers with **Oracle and MySQL Databases**, coordinating with DBAs for **Kernel Tuning** and performance monitoring.
* Experienced working with Microsoft Excel, Word, and powerpoint.

**Environment**: C#, SQL, Java/J2ee, Ruby, AWS, Chef, Docker, OpenShift, WebLogic, Maven, SVN, Git, Bitbucket, Jenkins, Terraform, bash shell, Apache, NFS, Python, Bash, SSH, TCP/IP, FTP, LDAP, RPM, YUM, SSL, Nagios, Marathon and Mesos.

**Webteklabs , India Sep 2013 - June 2016**

**Role: System Engineer**

**Roles & Responsibilities:**

* Responsible for installing, configuring, maintaining, upgrading, and troubleshooting **EMC** power path on **Solaris 10** and **Linux**.
* Installed and configured **RHEL 4.x/5.x** for production, staging and test environments.
* Installed and configured Solaris 10 servers with Zones and containers on **SUN M5000** and **T2000** Servers with SUN ZFS. Implemented SUDO, SSH and other security tools.
* Installed and configured the Red **Hat Satellite server** for package transfer across servers, to store the client's system profile and to control other servers in the network.
* Maintained Load balancing, High availability, **Failover functionality and Disaster recovery** included changing IP addresses of the web and app server machines, which caused changes in the virtual host and http transport configurations.
* Provided 24x7 on-call supports 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/AIX**) Support team.
* Monitored the performance of the system to check the CPU utilization, bottlenecks of I/O devices, Memory usage and Network traffic.
* Deep understanding of principles of distributed systems design, including fault-tolerance, high-availability, scalability, and security.
* Supporting servers with **Oracle and MySQL Databases**, coordinating with DBAs for **Kernel Tuning** and performance monitoring.

**Environment:** Red Hat Linux 6.x, CentOS 6, VMware Workstation 9.0, VMware ESX 5.0, Shell Scripting, EMC, Solar10, RHEL, SUSE, SOLARIS, HP-UX, AIX.