**K. Jaya Prakash** **Email:** [jayaprakash0394@gmail.com](mailto:jayaprakash0394@gmail.com)

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**Professional Summary:**

* Over 6.5 years of professional experiences as DevOps engineer, Software configuration, Build and Release Management majorly in java-based Application on Linux.
* Over 3 years of experience in setting up the enterprise infrastructure on Amazon Web Services (AWS) like EC2 instances, ECS, ECR, S3 Bucket, Security groups, ALB, ELB, Target groups, Auto scaling, AMI, RDS, Route53, IAM, VPC, VPC Peering, SNS, SQS and Lambda functions, Step function.
* Networking knowledge in AWS services like Virtual Private Cloud (VPC), Amazon Route53, VPC peering
* Experiences with migrating databases (RDS) and creating new infrastructure in cloud using terraform
* Good Knowledge in writing terraform scripts to provision the infrastructure in cloud.
* Good knowledge in writing packer scripts to create AMI (amazon machines images).
* Experiences in migrating Git repositories from Bitbucket to Gitlab.
* Extensively worked **Jenkins** for continuous integration and End-to-End automation for all builds and deployments with tools like **Maven, Gradle and ANT**.
* Extensively worked **GitLab CICD** for continuous integration and End-to-End automation for all builds and deployments with tools like **Maven, Gradle and ANT**.
* Built and implemented collaborative development environment using source control tools like **GitHub, Bitbucket, Gitlab, Subversion** and integrated it with Jenkins.
* Hand-on experiences on code quality tool **SonarQube** and integration SonarQube with Jenkins.
* Hands-on experiences with cloud infrastructure technologies, including continuous integration tools such as **Jenkins, Gitlab**.
* Building, configuring, and maintaining continuous integration and continuous delivery pipeline. Proficient in defining build pipelines in addition to creating and maintaining multiple jobs.
* Hands-on experiences on Elastic Stack **Elasticsearch, Kibana, Beats, and Logstash**
* Experiences in configuring **Docker** containers.
* Good knowledge in writing DockerFile to create Docker images.
* Good Knowledge in [Kubernetes](https://www.google.com/search?rlz=1C1GCEV_en&q=kubernetes&spell=1&sa=X&ved=0ahUKEwjHl7zCpvvjAhUV4o8KHeJTCEAQkeECCC4oAA).(pods, replicasets)
* Good Knowledge in Python.
* Experienced with opening case request with AWS customer support and work onboard issues ranging from billing to technical challenges.
* Hands-on experiences in Install and configuring Axiomatics.
* Good understanding of the principles and best practices of Software Configuration Management (SCM) in Agile, Scrum, and waterfall Methodologies.
* Managed Environments like Dev, INT, Cert, and Prod for various releases.
* Played Key role as Build, Release and Deployment Engineer for the assigned project.
* Work closely with Development and testing teams to identify, prioritize and handle issues to resolve quickly.
* Having good exposure in Software Development Life Cycle (SDLC).

**Academic Credentials:**

* Bachelor of technology in Electrical & Electronics Engineering from JNTU University, Anatapuram with 75% aggregate.

**Professional Experience:**

* Currently working as DevOps Engineer for Siemens Technology and Services Private Limited from Apr 2017 to till date.
* Worked as Build & Release Engineer for TCS from Apr 2015 to 2017.
* Worked as Build and Release Engineer for Mindtree, Bangalore from Apr 2013 to Mar 2015.

**Technical Skills:**

* Configuration Management : Terraform, Ansible, Packer
* Containerization : Docker
* Container orchestration Engine : [Kubernetes](https://www.google.com/search?rlz=1C1GCEV_en&q=kubernetes&spell=1&sa=X&ved=0ahUKEwjHl7zCpvvjAhUV4o8KHeJTCEAQkeECCC4oAA)
* cloud services platform : AWS (Amazon Web Services),GCP
* Java Technologies : Java/J2EE
* Build Tools : Gradle, Maven, ANT.
* Version Control Tools : GIT, Subversion.
* Continuous Integration Tool : JENKINS, GitLab CI/CD.
* Code Quality tool : SonarQube.
* Monitoring Tools : Grafana, Prometheus
* Scripting Language : SHELL, Python
* Application Server : APACHE-TOMCAT, Apache.
* Bug Tracking Tools : JIRA.
* Databases : SQL and Postgres, Neo4j
* Artifactory Tools : Jfrog and Nexus.
* Elastic Stack : Elasticsearch, Kibana, Beats, and Logstash
* Operating Systems : LINUX(Ubuntu), Windows.

**Work Experiences**

**Senior DevOps Engineer** April-2017-till date

Siemens Services and technologies

**Responsibilities:**

* Working as AWS cloud infrastructure Engineer to maintain Web services on EC2 instances and ECS with AMIS and Docker images behind Elastic load balancer with Auto-Scaling to maintain scalability and elasticity to scale up and down the servers as per request.
* On AWS cloud platform programmatically launched instances and used services with API calls and worked in a team to deploy software products on AWS to implement Micro Services Model for project.
* Elastic Load Balancer (ELB) is extensively used as both classic and application load balancer to manage traffic across EC2 instances and applied advances routing capabilities of application load balancer.
* Maintained application servers, web servers and data base in the cloud environment. Used multiple availability zones of AWS to provide high availability and fault tolerances.
* Managed and improvised the build infrastructure for global software development teams including implementation of build, continuous integration (CI) and continues deployment (CD).
* To improve the code quality introduced the code quality gates in SonarQube and fail the build if code quality fails.
* Analyze and resolve compilation and deployment errors related to code development, branching, merging, building of source code.
* Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using GIT.
* Using terraform as an automation engine for cloud provisioning, configuration management, application deployment, Micro services Architecture.
* Configured Jenkins and GitLab as a common build engine to build and deploy applications Dev, INT, CERT, and PROD environments.
* Maintained various DevOps related tools and scripts on various environments (dev, Int, Cert and Prod) on on-premises & cloud infrastructure (AWS).
* Used GitLab Docker Registry and AWS ECR for publishing Docker images.
* Installed and Configured Axiomatic.
* Given [training on GIT and branching strategy to developers](https://www.google.com/search?rlz=1C1GCEV_en&q=given+training+GIT+and+branching+strategy+to+developers&spell=1&sa=X&ved=0ahUKEwicoZzDqJPgAhWLA3IKHZvwATwQkeECCCsoAA).

**System Configuration Manage**

TCS Apr 2015 to Apr 2017

**Responsibilities:**

* Used Jenkins innovatively to automate most of the build related tasks. Improved throughput and efficiency of build system.
* Responsible for design and maintenances of the source control repositories, views, and the access control strategies for different parallel development teams.
* Performed and deployed builds for various environments like QA, Integration, UAT and Production Environments.
* Deployed and configured GIT Repositories with branching, forks, tagging, merge requests and notifications.
* Used Shell Scripts to automate the deployment process.
* Assisting in CM plan preparation and maintenance. Builds and deploy of code to different environment.
* Troubleshooting of build errors in Jenkins for both the Software Configuration Mgmt. team and the development team.
* Installation of different version of developing software for development and quality assurance teams. Managing day to day Build & Release Activities and CM Support.
* Artifactory is used as intermediate repository management to keep the backup of release versions.
* Efficient in working closely with team to ensure high quality and timely delivery of build and releases.

**System Configuration Manager**

Mindtree, Bangalore. Apr 2013 to Mar 2015

**Responsibilities:**

* Automate the build Process Using Ant and Jenkins.
* Prepare relevant documentation for releases such as Build/Release process document, Build Reports and Release Notes Carried out the Build Process daily for Testing and execute the related DB scripts.
* Implemented the Release practice and responsible for pushing builds into SYS/ UAT/ Pre-Production/ Production.
* Coordinate with the Development/Test Teams to receive the correct versions of re-usable and dependent components and DB Script for issuing/installing successful builds and making it ready for the Release on time.
* Involved in Deployment of the application using Tomcat.
* Involved in build/Release management and carried out the quality product in UAT and Production.
* Project involved the usage of maintaining repository and version controlling.
* Tomcat Installation, Domain Configuration, Console Administration, Deployment.
* Production Support in distributed technologies.
* Worked closely with customers, developers and testing teams during all phases of the project.

**Personal Details:**

Name : K. Jaya Prakash

Date of Birth : 14/04/1989

Father’s Name : K. Venkata Rangaiah

Language Known : English, Hindi, Kannada, Telugu

Permanent address : Bangalore, Karnataka

Place: Bangalore (K. JayaPrakash)

Date: 20/01/2020