

Raj Kumar Rajbanshi

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Sr. DevOps Engineer with relevant 4 Yrs. Of DevOps Exp.

Professional Summary:

A team player with excellent communication skills, having **total 10+ years** of IT experience, possess **4 years** of experience in designing, building, and maintaining cloud infrastructure using Kubernetes, Terraform, and Helm. Skilled in developing automation scripts, implementing DevOps practices, and deploying microservices and containerized applications.

Good Interpersonal Skills, team-working attitude, takes initiatives and very proactive in solving problems and providing best solutions.

- Experience in **Agile** work environment.
- Expert in DevOps culture through CI/CD tools like **Terraform, Kubernetes, Docker, Helm, git, Jenkins, Bitbucket, GitHub, Ansible.**
- Have led many Organizations Initiated Proof of Concepts and implemented the same for Organization like **Istio, SQ.**
- Have Sound Knowledge and Hands on Docker and Kubernetes (EKS), Helm.
- Collaborated with DEV, QA and BA Teams on building the CI/CD Pipelines on Jenkins.
- Collaborated in Implementing Monitoring setup on Prometheus, Grafana, Jaeger, FluentBit, Logstash that is being used to monitor applications, infrastructure and send alerts appropriately.
- Have written Kubernetes Templates and Helm Charts for the Applications to deploy into Aws Kubernetes Service Environment(EKS).
- Responsible for Migration from On-premise to Cloud (**OTC**) using Lift and Shift strategy.
- Experience in writing YAML based pipeline and deployment solutions pipelines and migrating source code/pipelines.
- Well Versed in handling critical **AWS** resources like VPC, EC2, EC2 Container Services, EBS, S3, ELB, Auto Scaling, CloudWatch, IAM, etc.
- Have knowledge on micro services, creating CI build pipelines and CD pipelines.
- Have sound knowledge in writing playbooks and roles in ansible for deployment of applications and deployment automation.
- Have knowledge of Infrastructure tool **Terraform.**
- Sound knowledge in static code scanning tools like **SonarQube with Bitbucket Cloud** integrating using Postgresql database for CI Jenkins pipeline.
- Have knowledge on **Helm** and writing **Helm charts** for application for Kubernetes deployment.
- Extensive experience in working with various teams such as QA, Developers, Engineers and other teams to ensure automated test efforts are strongly integrated with the build system.
- Worked as part of support team handling issues reported by customers.
- Knowledge of **Jira** tools.
- Knowledge on **Kubernetes** objects, pod, deployment, services, ingress, egress, persistent volume, config etc.
- Sound knowledge of **PACKAGE, PROCEDURE, FUNCTION**, Views and other database objects.

Technical Proficiency:

- **Operating Systems** : Windows, LINUX (UBUNTU, RHEL,CENTOS)
- **Source control tools** : BitBucket, GIT, GitHub, SVN.
- **Build Tools** : MAVEN, jFrog ARTIFACTORY.
- **CI Tools** : Jenkins, GitHub.
- **Infrastructure Tools** : Terraform, CloudFormation.
- **Cloud Technologies** : AWS.
- **Containerization** : Docker, Kubernetes(EKS), Helm Chart
- **Tracking tools** : Jira.
- **Monitoring Tools** : Grafana, Prometheus, Jaeger, Logstash, FluentBit, Elasticsearch.
- **Web servers** : httpd, Nginx.
- **App Servers** : Tomcat, Apache, Jboss.
- **RDBMS** : MS SQL Server, Oracle, PostgreSQL.
- **Query Language** : SQL, PLSQL
- **Tools** : Putty, SSMA, SQL Loader.
- **Tracking Tools** : Jira, Service Now

Professional Experience

Sr. DevOps Engineer

(July 2022 – 17th March 2023)

HANSEN TECHNOLOGIES LIMITED

Responsibilities

- To configure the CSD Bastion Host on Local System using wsl2 to create/update/delete the cluster. Implemented the Services Mesh Istio.
- Integrated the static code scanning tools like, **Sonarqube** with external database Postgresql on Bitbucket Cloud and for analyze the project used CI tools Jenkins.
- Experienced in **troubleshooting Kubernetes cluster** issues related to pods and nodes
- Proficient in using kubectl and other Kubernetes command-line tools to diagnose and fix issues with pod scheduling, networking, and resource allocation
- Skilled in configuring and monitoring Kubernetes clusters using Prometheus and Grafana, including setting up alerting rules to detect and respond to issues proactively
- Familiar with using logging tools like Elasticsearch and Kibana to analyze and troubleshoot issues in containerized environments.
- Proficient in designing and implementing Grafana dashboards to visualize Prometheus metrics and logs.
- Knowledgeable in tracing microservices using Jaeger and OpenTracing.
- Skilled in setting up Elasticsearch clusters and configuring kibana for log analysis and visualization.
- Experienced in configuring and troubleshooting Prometheus alerts and rules to monitor kubernetes clusters.

- Have written Helm charts for products to deploy into Kubernetes environment.
- Troubleshooting of deployment issue, configuration issue and DB issue.
- Responsible for Design of different Release Environments for new projects.
- Designed and implemented Kubernetes clusters on AWS using Terraform and Helm charts for multiple applications.
- Managed cloud infrastructure using Terraform to support multiple applications.
- Automated deployment and configuration management of EC2 instances and load balancers using Terraform
- Extensively working on Continuous Integration Model with containerization technology i.e, **Docker** and maintaining in house and AWS environments.
- For Containerization orchestration, have worked on **Kubernetes(EKS)**.
- Monitored system performance and implemented solutions to optimize resource allocation and improve efficiency.
- Developed and maintained scripts for automating tasks such as backups, monitoring, and scaling.
- Perform Deployment of Release to various QA & UAT in Linux environments.
- Troubleshooting of deployment issue, configuration issue and DB issue.
- Monitoring the builds and networking for uninterrupted for QA and deploying to Higher environment.
- Have written Helm charts for products to deploy into Kubernetes environment.

Environment: AWS, Jenkins, RHEL, Windows, GitHub, Terraform, Docker, Ant, Maven, Kubernetes, CloudFormation, SonarQube, Helm, Helm Chart, CI/CD Pipeline, RHEL MQ, Docker Swarm, Java.

DevOps Engineer (April 2019 – July 2022)
Neubotic Technology, Delhi

Responsibilities

- Working on infrastructure tools like **Terraform**. Written terraform files to create the EC2, VPC. Also worked on to localized the different modules of Terraform.
- Extensively worked on AWS solutions using EC2, S3, EBS, Elastic Loadbalancer, Auto Scaling groups.
- Troubleshoot the build issue during the Jenkins build process.
- Supported different projects build & Release SCM effort e.g branching, merge etc.
- Monitoring the builds and networking for uninterrupted for QA and deploying to Higher Environment.
- Worked on continuous Integration model with containerization technology (i.e Docker) and maintaining in house and AWS environments.
- Created deployment pipeline in Jenkins to deploy the products.
- Perform Deployment of Release to various QA & UAT in Linux environments.

Environment: AWS, IAM, EC2, S3, Jenkins, Docker, Terraform, GIT, Bitbucket, Kubernetes, Ansible.

Android Team Lead (April 2017 – March 2019)
Emobi Technologies Pvt Ltd

Responsibilities:

Utilize the Scrum (Agile) methodology and implemented the use of project management Software at Emobi Technologies , resulting in the completion of over 80% of managed projects within budget.
Work closely with engineering, design, product, and QA to deliver the best digital products for each client.
Responsible for Design of different Release Environments for new projects.
End to end management of client engagements - detailed project plans, scope and budget definition, resource allocation, product delivery, maintenance, project timeline, project status, feedback from clients and resolve the issue, mobile analytics, deployments of enterprise.
Have provided leadership and mentoring to team members on project development and client management skills.
Have managed client relationship and expectations throughout the project lifecycle.
Have helped develop and maintain the core team processes.
Perform Deployment of Release to various QA & UAT in Android/IOS/Windows environments.
Monitoring the builds and networking for uninterrupted for QA and deploying to higher environment.
Strong and innovative approach to problem solving and finding solutions.
Excellent team player with strong communication, interpersonal, and organizational skills, Ability to prioritize when under pressure.

Sr. Android Developer (Aug 2013 – March 2017)
Emobi Technologies Pvt. Ltd., Delhi

Responsibilities:

Worked on Android Studio, Eclipse, , Jira, SVN, GIT for version control.
Have worked on Android Material Design.
Involved in analysis and design of the migration jobs.
Troubleshoot the build issue during the build process.
Handle 5 members of team and directly involved in development.
Have used GIT as VCS and gradle build tool to build the project.
Performed Deployment of Release to various QA & UAT in Android Studio environments.
Worked on web services on the Android platform (consuming REST/SOAP APIs) in JSON/xml format
Advertisement 100+ apps/games for Mobile Platform (Android/IOS/Windows).

Android Developer (Aug 2011 – July 2013)
InoXapps Mobile Solutions (P) Ltd, Delhi

Responsibilities:

Worked on Android SDK, Android Studio, Eclipse.
Involved in writing the code in java, xml for design.
Involved in analysis and design of the migration jobs.
Used light weight database SQLite.
Worked as a team members and directly involved in development.
Integrated different advertisement like Admob, Airpush, Startapp, Inmobi etc.
Integrated different third party libraries like Facebook, Twitter, Linkedin, Volley.
Developed various design diagrams using xml.

B.E, COMPUTER SCIENCE ENGINEERING, 2010
R.G.P.V, 68%