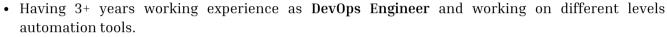# DINESH KUMAR

DevOps Engineer

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Experienced DevOps Engineer with over 3 years of expertise in architecting and managing scalable infrastructure solutions. Skilled in cloud technologies, automation tools, and CI/CD pipelines to optimize development workflows. Collaborative team player with a focus on delivering efficient and high-quality software releases. Strong problem-solving abilities and a proactive approach to improving system performance.

Summary

- Having 3+ years working experience as **DevOps Engineer** and working on different levels automation tools.
- Working on various version control systems like **Git**, Build tools like **Maven,** Continuous Integration Tools such as **Jenkins**, containerization tool **Docker**, Configuration management tool **ansible** and **Shell scripting**.
- Strong experience in **Branching** and **Merging** strategies..
- Coordinate/assist developers with establishing and applying appropriate branching, merging conventions using **GIT** source control.
- Working knowledge on merging code lines in the **GIT** and resolved all the conflicts raised during merges.
- Implemented & maintained the branching and build/release strategies utilizing **GIT**.
- Initiated **C.I process** in my project and setup **Jenkins tool from scratch**.
- Created new build Jobs, setup master/slave concept to distribute the load and run different builds with different configurations.
- Created **Pipelines** using **Jenkinsfile**. Also worked on manual pipelines.
- Automate the build Process Using **Jenkins** jobs.
- Experience on setting up and managing **Docker** private repositories.
- Having experience in creating custom **Docker** Images using Docker file.
- Worked on various tools which include Build Tools- **Maven**, Continuous Integration Tools **Jenkins** and Servers-**Apache Tomcat**.
- Experienced in Build, Deployment, and Configuration and Release management.
- Proficiency with build and continuous integration system concepts.
- Experience on deploying artifacts like **WAR** into application servers, Apache Tomcat sever.
- Developed cookbooks for application deployments with tomcat, **JDK**, war file and post deployment configurations.
- Knowledge on **AWS-EC2 instance**, **ELB, Auto-scaling**.
- Responsible for installing and configuring **Kubernetes** in physical as well as cloud environments.
- Well aware of the advantages, architecture and complete work flow of **Kubernetes**.
- Good Knowledge in **Shell & Python Scripting**, Experience in Writing Scripts.
- Good knowledge in each and every component of **Kubernetes**.

SUMMARY (cont:)

- Installed and configured **K8S master and K8S nodes** and established communication between them.
- Good experience in writing **YAML manifest** file for creating **Deployments** and **Services** in Kubernetes.
- Good experience in setting up **NodePort**, **ClusterIP** and **LoadBalancer** type Kubernetes Services.
- Automated Statefull applications by using StatefulSet Kubernetes API objects.
- Good understanding of **PV,PVC & StorageClass** storage volume concepts.
- Good experience in setting up **Kubernetes cluster** in **Google cloud platform**.
- Good hands on experience in configuration management tool like **Ansible**.
- Automated application deployment by writing YAML files in **Ansible**.
- Have good experience in **Shell and Python scripting.**

Experience

Working as a **DevOps Engineer** in **Proxytem Software Services**, Bangalore.   *April 2023 to TILL Date.*

Worked as a **DevOps Engineer** in **Freshworks**, Bangalore**.**   *Mar 2022 to Mar 2023.*

Worked as a **DevOps Engineer** in **Aitareya Solutions**, Bangalore**.**   *Mar 2020 to Aug 2021.*

Projects

Zalando (E-commerce Portal)   *April 2023 - Till Date*
- Client : LTIMindtree
- Technology :
  - **Ubuntu, GIT, Maven, Jenkins, Docker, AWS, Chef, Nexus, Kubernetes, Shell Scripting**

Roles & Responsibilities:

- Installation, Configuration, Maintenance, experience of source code management systems Subversion, **GIT**.
- Administration/Maintenance experience of continuous integration build engines using **Jenkins**.
- Experience with build tool like **Maven**.
- Setup **Docker** in all QA environments.
- Created custom Docker Images using Docker file for deployments.
- Good knowledge in several Docker components like Docker Engine, Hub, Container and Docker Registry.
- Deployed containerized application in **Kubernetes** in on-premise and **Google cloud**
- Configured **NodePort**, **ClusterIP** and **LoadBalancer** type Kubernetes services.
- Automated application **containerization** by writing Dockerfile and creating images.
- Application environment will be automatically build with a given number of containers with application setup out of box.
- Created pipelines for **continuous integration** builds and **deployments** in Jenkins.
- Good knowledge in writing **Jenkinsfile**.

- Written the Build Scripts using **Shell Scripting.**
- Responsible for creating branches, tags and merging the code from one branch to another.
- Playing the role of Release Engineer by supporting developers for subversion configuration spec creation, branching, and deliveries to the integration branch.
- Worked closely with Developers, QA and project management for smooth scheduled releases.
- Created **JAR**, **WAR** Files through **maven**
- Written Shell scripts for **deployment automation**.
- Participated in the application builds and deployments to Dev, QA, STAG and Prod environments.
- Having Knowledge on the AWS Services **EC2**, **S3**, **VPC**.
- Responsible for identifying, troubleshooting and resolving problems with the build process using Jenkins and ensures that the release has been accepted by all parties.
- Participated in Release meetings to finalize Release with developers/QA/Project Management and discuss backup plan.

FreshService   *Mar 2022 - Mar 2023*

- Freshworks
- Technology :
  - GIT, Maven, Ant, Jenkins, Tomcat, Mac, Linux, Docker, Nginx, Apache, Shell scripting, Jira.

Roles & Responsibilities:

- Develop and automated, continuous, build process that reviews the source code, identifies build errors and notifies appropriate parties to expedite/facilitate synchronization to the latest build using Jenkins
- Setup and configuring Plans in continuous integration tool Jenkins for project builds
- Performed **GIT** branching and merging activities.
- Automate & monitor daily project development builds by using build tool Jenkins
- Building numerous applications for DEV/ SIT/ UAT/ PROD Env.
- Experience in troubleshooting and researching root cause analysis for application issues
- Creating branches, tags and merging the code from one branch to another.
- Providing solutions to developers build failure related issues.
- Integrated **Maven**-**Jenkins** for continuous integration and deployment.
- Setup Git repository using **GitHub**.
- Written Shell scripts for deployment automation.
- Automated backup process using **Maven** resources in **pom.xml**
- Documenting Installation and Deployment plan for deployment/ release of sources in all environments.
- For Build Automation we are writing scripts using Shell Scripting.
- Created **Docker containers** for testing environments using Docker images.
- Wrote **playbook** for configuring QA environments.
- Participated in installation & configuration of **Apache Tomcat servers**
- Active participation in Build and release process

Ferrix ECOM

- Aitareya Solutions Pvt Ltd
- Technology :
  - GIT, Maven, Ant, Jenkins, Linux, Docker, Nginx, Shell scripting, Jira.

Roles & Responsibilities:

- Collaborated with development, quality assurance (QA), and product management teams to plan release schedules and scope.
- Coordinated release activities, including scheduling, communication, and readiness assessments.
- Managed **version control systems** to ensure accurate and **up-to-date source code management**.
- Automated build processes using tools such as **Jenkins** to streamline the compilation, testing, and packaging of software components.
- Prepared release notes, documentation, and deployment instructions for stakeholders.
- Maintained release documentation and reported on release status to project stakeholders.
- Evaluated and implemented improvements to **release processes** to enhance efficiency and **reliability**.
- Providing solutions to developers build failure related issues.
- Integrated **Jenkins** for continuous integration and deployment.
- Received positive feedback from stakeholders for maintaining high standards of release documentation and communication.
- Active participation in Build and release process

Education

BMS Institute of Technology and Management

2013 to 2017

- Bachelor of Engineering, Computer Science

Skills

- Apache Tomcat | Nginix | AWS EC2,S3, EKS, GKE | GIT, GITHUB | Maven | Jenkins | Ansible | RDS | Jira |

- Shell and Python Scripting | Mac, Linux, Windows, Redhat, Ubuntu | Docker | Kubernetes |