



**Navneet Kumar**

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| **Experience Summary** | |
| * **Software engineer** * **A technology enthusiast working in the DevOps BU. I have been trained in AWS cloud platforms and DevOps tools and associated technologies.** * [**LinkedIn**](https://www.linkedin.com/in/navneet-kumar-1191931b4) * [Github](https://github.com/navneet9122?tab=repositories) | |
| **Skills Summary** | |
| **Domain** | General DevOps |
| **Programming Languages** | Python, Java ,DBMS |
| **Operating System / ERP Version** | Windows 10, Linux |
| **Tools /DB/Packages / Framework / ERP Components** | Networking, Linux, Amazon AWS, Microsoft Azure,Git, Docker, Jenkins, Ansible, Terraform, helm, Kubernetes. |
| **Hardware Platforms** | Intel Series |
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| **Professional Certifications/ Trainings** | |

Attended various trainings on AWS, Azure, GCP, Git, Docker, Jenkins, Ansible, Maven, Python scripting, Networking.

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| **Git** | Developed understanding of repository, branch, clone, fork, commit, push, fetch, merge, diff, tag, reset, revert, stash, remote repos, rebase. |
| **Docker** | Container based virtualization, docker engine, client and daemon, images, registry, networking, docker file, docker hub, linking containers, docker compose, volumes. |
| **AWS** | Attained AWS CLF-CL01 Certification. Hands-on experience on EC2,VPC,EKS,ECR,Storage(S3). |
| **Kubernetes** | Introduction to Kubernetes, Master-Slave architecture, Kube-API server, ETCD, Kube-schedular, Control manager, Kube proxy, kubelet, Pod. |
| **Jenkins** | Freestyle project, declarative pipelines, stages, docker container as build agents, shared libraries, Slack notification, email notifications, build triggers, blue ocean plugin, polling, syntax validation, multi-branch pipelines, Jenkinsfile. |
| **Ansible** | Playbook, Ad-hoc commands, Modules, Vault, Roles |
| **Terraform**  **USE-CASES** | Basic commands like terraform init, terraform validate, terraform plan, terraform destroy, EC2 and VPC creation on aws.  **Jenkins**  1. Create a git repository in GitHub and have a java maven springboot application  2. Install Jenkins in one Linux server and Add one linux machine as Slave (and use it as build server -> install git, install maven, install java, if required install ssh related apps)  3. Create SonarCloud and Jfrog cloud account -> create access tokens -> create jfrog user and give proper permissions  4. Create a CI declarative pipeline job for maven based application ( Jenkinsfile should be read from Git repo, Code Quality Scan should be performed, Build package should be deployed in Jfrog repository)  5. Create a new server for deployment (install java on deployment server)  6. Modify pipeline to deploy the applications on deployment server  7. Convert the pipeline into parameterized pipeline -> try to remove repetitive code -> try to convert the pipeline into some sort of template  8. Separate the CI and CD pipelines (upstream and downstream job)  9. Use ThinBackup plugin to take a backup  **Ansible**  10. Write ansible YAML playbook to install tomcat or nginx on client machines  11. Use ansible playbook to build docker image and run docker container  12. Use Ansible playbook to deploy the application  **Docker**  13. Dockerize your Java application by creating Dockerfile.  14. Build your java container image with version tag and push it to Dockerhub  15. Pipeline to deploy application with docker container  **Kubernetes**  16. Create Kubernetes manifest files for container deployment ( deployment and service ).  17. Add a new CD job for container deployment with Docker build, Push image to registry and Kubernetes deploy stages.  18. Container deployment with services (ClusterIP, nodePort & LoadBalancer) and namespaces |

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| **Educational Qualification** | |
| **Education & Credentials** | Bachelor of Technology (B. Tech.) in 2022 from G.L Bajaj institute of technology and management. |

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| **Personal Details** | |
| **Languages Known** | English, Hindi |
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