

Email: nishalkarthik3@gmail.com

NISHAL KARTHIK L

No: 5 Bajanai koil street,
West Tambaram, Mudichur
road,
Chennai: 600045.
Phone: +91 8056118604

PROFILE SUMMARY

- Having strong background in DevOps, AWS, Terraform, Kubernetes, Linux and Oracle Database etc.
- Completed Projects in Containerization Automation in Kubernetes using Terraform and skilled in Docker, Amazon Web Services (AWS), Kubernetes.
- I am professionally involved with Kubernetes Platform Development, Apps & Infra Deployment, DevOps CI/CD.
- Work with automation/provisioning tools like Terraform, Jenkins, Ansible.
- Experience in Cloud and Container Technologies like AWS, Docker, Kubernetes etc.
- Good knowledge of Build and Unix/Windows Automation.
- Calm under pressure and thrive in a time-critical, fast-paced, information-sensitive environment.

SKILLS

DevOps and Automation Tools

- Terraform
- GIT and GitHub
- Docker and Docker Hub
- Kubernetes
- Ansible
- Jenkins

Virtualization and Cloud Technologies

- Amazon Web Services (AWS)
 - a. EC2
 - b. VPC
 - c. IAM
 - d. S3
 - e. EKS
 - f. Endpoints
- VMware Workstation

Scripting Languages

- Shell Scripting

Operating Systems

- Linux
- Windows
- Windows Server

Programming Languages

- Basics in Python

Other Tools

- Nexus Artifactory (repository manager)
- Sonar-Qube (Code-analysis)
- JIRA & Service Now

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EDUCATION

Degree	Institute	Year
Bachelor of Engineering	Sri Sairam Institute of Technology - Chennai, Tamil Nadu, India	2014 - 2018
Higher Secondary School	SRI SANKARA VIDYALAYA MATRIC HR.sec. School - Chennai, Tamil Nadu, India	2013 - 2014
Senior Secondary School	SRI SANKARA VIDYALAYA MATRIC HR.sec. School - Chennai, Tamil Nadu, India	2011 - 2012

Currently holding offer with Infosys

PROFESSIONAL EXPERIENCE

Hexaware Technologies (13-MAY-2024 to Present) LWD: 24-May-2025

Role: Senior Technical Analyst

Scope of Project: (London Stock Exchange)

Developed and maintained a CI/CD pipeline for a web application/website (lse.com) using AWS services, leveraging Elastic Beanstalk for frontend services, EC2 instances for backend services, Datadog for monitoring, and Ansible for deployment, along with version control via GitLab and Bitbucket and integration/build tools like Jenkins and Maven.

Roles and Responsibilities:

- Experience in AWS components like EC2 instances, S3, Security groups, Autoscaling, RDS IAM roles, cloud front , Route 53
- Well versed in terraform by building whole infrastructure using terraform- Hashi Corp Language

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- Experience in handling Security Groups, configuring Inbound/Outbound rules
- Used Elastic Load balancers and Auto scaling groups to handle the traffic at peak times
- Worked with IAM service creating new IAM users & groups, defining roles and policies
- Experience in creating alarms and notifications for EC2 instances using Cloud Watch
- Working knowledge of Container Management in Dockers
- Well versed in Docker file writing for Jenkins deployment
- Working knowledge of building automation and CI/CD pipelines using Jenkins.
- Developing scripts for building, deployment, maintenance , creating the infra and related tasks using Terraform, Jenkins, Ansible and Docker
- Good Knowledge in Source Control Management & version control system in GIT
- Experienced on Branching, Merging, and rebase concepts in GIT.
- Experience in establishing Continuous Integration and Continuous deployment practices in Jenkins
- Experienced in pom.xml files, to identify the project needs for continuous integration & deployment
- Good experience on Ansible Installing and configuring Ansible and Ansible hosts for automating a configuration deployment
- Used Ansible for configuring and managing multi-node configuration management over SSH
- Experience with Configuration Management tool Ansible and has experience in playbook YAML Scripts
- Used Nexus Artifactory as a private repository for organizing Images
- Used SonarQube to inspection of code quality, detect bugs, code smells, and security vulnerabilities in source code

Tools & Environment: Amazon Linux, AWS, Terraform, Git-lab, Jenkins, Elastic Beanstalk, Docker, Ansible, SemGrep, Sonarqube, Datadog

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Cognizant Technology Solutions (14-OCT-2020 to 9-MAY-2024)

Role: Technical Lead

Scope of Project: (7-Eleven)

The project is all about providing a Web Application in CI/CD Pipeline using Terraform through Amazon Web Services like EC2, EKS, S3 etc. I also used multiple tools where GIT and GitHub as a version control tool and Jenkins and Maven are used for integration and Build tools. And once the artifacts are created it is then pushed to Docker hub and then Pods are created using EKS Kubernetes Cluster with a rolling update with the latest docker images.

Roles and Responsibilities:

- Creation and Configuration of Terraform, AWS CLI for AWS services.
- Creation of modules in Terraform for multi pillar architecture with remote state in S3.
- Configuration of terraform code for Java, Jenkins in EC2 instance.
- Integration of GIT with Jenkins to pull code from git for the maven build.
- Creation, Configuration, and Integration of Docker with Jenkins.
- Creation and Configurations of Kubernetes using EKS in an EC2 Instance using Terraform.
- Creation of Continuous Integration Job to create image for Kubernetes.
- Creation of Jenkins Deployment Job for Kubernetes with rolling update to create pod.
- Testing git pushes which creates a new pod with changes made in source file with complete CI/CD Pipeline.
- Integrating SonarQube for code analysis and Nexus-Artifactory for building artifacts releases in CI Pipeline.

Tools & Environment: Amazon Linux, AWS, Terraform, GIT, GitHub, Jenkins, Maven, Ansible, Docker, Docker Hub, EKS Kubernetes.

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ALCHEMY TECHSOL INDIA PVT LIMITED (14-MARCH-2019 to 13-SEPT-2019)

Role: TRAINEE ENGINEER

(No PF deducted and no UAN service history record for this experience)

Roles and Responsibilities:

- Comprehensive knowledge in Server Configure, IIS, DNS, ADDS, ADCS, Dot1X Configuration, Cisco Switch configure, VLAN setup. Performing manual tests according to test plans and documenting results.
- Extensive knowledge in connectivity test Groups (GCP, NFC, Morphia, Air print, IPsec).
- Conducting regression testing to ensure that previously developed and tested software still performs after changes.
- Extensive knowledge of system testing methodologies, defect tracking systems, and Quality Assurance process.
- Use of network traffic analysis tools (Wireless & Wired) to support product network analysis.
- Setting up test environments and test data as required for testing activities.
- Assisting in ensuring the overall quality of the software by identifying areas for improvement and suggesting solutions.

Tools & Environment: IBM ClearQuest, JIRA, Service now

IDC Technologies India Private Limited (05-OCT-2018 to 28-FEB-2019)

Role: Associate Consultant

Roles and Responsibilities:

- Creating test plans, test cases, and test scenarios based on project requirements and specifications.
- Performing manual tests according to test plans and documenting results.
- Identifying and reporting defects or issues found during testing in a clear and concise manner.
- Conducting regression testing to ensure that previously developed and tested software still performs after changes.

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- Documenting test cases, test results, and any other relevant testing artifacts.
- Collaborating with developers, business analysts, and other team members to ensure thorough testing coverage.
- Analyzing software requirements to ensure test coverage and traceability.
- Setting up test environments and test data as required for testing activities.
- Assisting in ensuring the overall quality of the software by identifying areas for improvement and suggesting solutions.

Tools & Environment: JIRA, Service now

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DECLARATION

I do hereby declare that the written particulars are true to my knowledge and can be subjected to verification at any time

PLACE: Chennai.

DATE :

NISHAL KARTHIK