

MOHAMMED NOVMAN

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PROFESSIONAL SUMMARY

Organized and dependable candidate successful at managing multiple priorities with a positive attitude. Willingness to take on added responsibilities to meet team goals. #DevopsEngineer #7.7years

SKILLS

Operating Systems

UNIX, Linux, Windows

Version Control Tools

GIT, GITHUB

Build Management Tools

Maven, ANT, NPM

Scripting Languages

Shell/Bash Scripting, Groovy scripting, YAML

Application Servers

Apache Tomcat Kafka

Continuous Integration Tools

Jenkins, Argo CD

Web Server

Apache HTTP

Bug Tracking Tool

Jira

Configuration Management Tools

Ansible, Terraform

Cloud

AWS

Containerization

Docker, Kubernetes

WORK HISTORY

July 2023 - Current

Senior Engineering Lead

Persistent Systems Limited –
Bengaluru, India

- Having 7.7 years of IT experience as a **Software Engineer, DevOps and AWS Engineer**, Currently **Infra Engineer**
- Led the provisioning of **Amazon EKS clusters** using Terraform modules, automating the setup of container environments for applications.
- Streamlined **EKS cluster configuration, leveraging Terraform** for resource provisioning and orchestration depending on self-service portal requests.
- Utilized Terraform modules to automate the deployment of key resources such as **AWS CodeBuild** projects and **ARGOCD** applications within EKS clusters. Implemented a Continuous Deployment (CD) process using CodeBuild to trigger **ARGOCD applications automatically** upon the creation of new EKS nodes, ensuring seamless deployments.

- Leveraged ARGOCD for continuous synchronization between cluster components, **Helm charts**, and cluster configurations, reducing manual intervention.
- Designed and implemented **Jenkins pipelines integrated with Kubernetes** for automating infrastructure and application deployments, with **dynamically creating Kubernetes pods with customized configurations**, including specifying container images and environment variables.
- **Integrated Terraform within the Jenkins pipeline for infrastructure provisioning** and management, including initializing, planning, and applying changes. Demonstrated proficiency in namespace **isolation within Kubernetes**, ensuring a clean and controlled environment for Jenkins pipeline execution.
- Developed and implemented an **automated pod validation system** using Jenkins and Kubernetes commands to ensure the correct deployment of **critical pods** in a containerized environment.
- Implemented **error-handling mechanisms** to detect discrepancies in pod counts and automatically report any deviations from the expected counts.
- Integrated the pod validation automation seamlessly into the **Continuous Integration/Continuous Deployment (CI/CD)** pipeline, enhancing the **reliability and stability of application deployments**.
- Collaborated closely with application teams to understand their requirements and provide tailored **container platform** solutions.

Nov 2017 – July 2023

DevOps and AWS Engineer

Microchip Payments Private
Limited - Karnataka India

- Working with developers and Testers to test the source code and applications through **Jenkins plugins**.
- Using the **JFrog** artifactory repository to store the artifact versions.
- Associating with Build & Release team to setup Jenkins server & nodes for distributing the **Jenkins jobs**.
- Monitored **automated build** and continuous software integration process to drive build/release failure resolution.
- Worked with cross-functional design teams to create software solutions that improved overall functionality and performance.
- Actively participated in troubleshooting, rolling updates and rollbacks of the deployments using **Kubernetes**.
- Performing the regular tasks that include cloning, pulling and pushing the repositories, branching and merging.
- Experienced in container technology **Docker**.
- Setting up EC2 instances and prerequisites on the instances for deploying the applications.
- Used **JIRA** for project management activities.
- Created and maintained build scripts using Maven to perform builds efficiently on **Jenkins**.
- Implemented CI, CD and Configuration management for the projects.
- Knowledge on writing a **Docker** file and optimizing the docker image size.
- Extensively worked on **AWS Services** which are used in the project.
- Created multiple **Terraform modules** to manage configuration, application, services and automated installation process.
- Responsible for automating operational tasks, taking EBS snapshots, removing unused AMI.
- Wrote **Shell** scripts for daily maintenance, indexes and tables analyses.
- Performed continuous Build and Deployments to multiple environments like Dev, QA and UAT.
- Configured and maintained **Jenkins** to implement the CI process and integrated the tool with **Maven** to schedule the builds.
- Automated AWS resources using **Terraform**.
- Writing **Ansible** Playbook to automate the AWS resources.

June 2017 - Nov 2017

Software Engineer

OBAPS GLOBAL Technologies

Private Limited

(Formally Znumerique)

- Led the development of customer-facing web applications **using Node.js, Express.js**, and React, resulting in a 30% increase in user engagement within the first quarter.
- Developed **RESTful APIs** for multiple projects, ensuring efficient data communication between the server and client applications.
- Conducted code reviews and followed coding best practices to maintain high code quality, resulting in a **20% reduction in bug reports**.
- Implemented authentication and authorization systems, **enhancing application security** and data privacy.
- Integrated third-party services, including payment gateways and social media APIs, to extend application **functionality and improve the user experience**.
- Worked on optimizing database queries and schema design, resulting in a **40% improvement in database query performance**.
- **Collaborated** with DevOps engineers to set up a CI/CD pipeline using Jenkins for automated testing and deployment, increasing deployment frequency by 50%.

Jan 2016 - June 2017

Graduate Engineer Trainee

Tamura Elcomponics

Technologies Private Limited

- **Dry-type Transformer:** No Load test, Full Load test, Preliminary tests, Temperature-rise, **Magnetic balance/ Voltage ratio**, Vector Group test, High voltage test, **Induced Over voltage test**, Noise level.
- **Dry-type Inductor:** Resistance test, impulse test, surge test, high voltage test.
 - Preparing the **test reports** as per the test results.
 - Labelling **of Transformers and Inductors**
 - Route cause analysis for the faults
 - Involved in **PQA and OQA process**.
 - Involved in customer audit and **feedback (FMEA/Control plan)**
 - Maintained calibration Reports of equipment and updated the status to the senior engineer.
 - Had the knowledge of 5s Rules.
 - Had the Exposure On IS/IEC standards.

EDUCATION

07/2015

B.E: EEE

Channabasaveshwara Institute of Technology | Gubbi

03/2011

PUC: PCMC

Vaishnavi Chetana PU Science College | Tumkur

03/2009

SSLC

H.M.S ENG.MED. High School | Tumkur