

## PRAJNA NAYAK

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DevOps / AWS Engineer

Mangalore, India

### OBJECTIVE

As a DevOps Engineer with 1 year of experience, I aim to contribute to a team that values continuous improvement, innovation and delivering high-quality software products.

### PROFILE SUMMARY

- **Version Control Expertise:** Proficient in using Git for version control, ensuring seamless code management and collaboration within development teams.
- **System Administration:** Competent in Linux system administration, including installation, configuration, and maintenance of servers and software.
- **Problem-Solving:** Strong analytical and troubleshooting skills, adept at identifying and resolving technical issues promptly to minimize downtime.
- **Collaboration and Communication:** Effective communicator with the ability to work collaboratively in cross-functional teams, ensuring clear and concise project documentation and updates.
- **Continuous Improvement:** Committed to continuous learning and improvement, staying updated with the latest industry trends and technologies to enhance technical skills and project outcomes.
- **Automation and Scripting:** Familiar with scripting in bash and other languages to automate repetitive tasks and improve system efficiency.

### Academic profile

- Bachelor of Engineering, AJ INSTITUTE OF ENGINEERING AND TECHNOLOGY.

### Technical skills

Cloud Technologies	: VPC, EC2, S3, IAM
Operating Systems	: Linux, Windows
Scripting Languages	: Basic shell Scripting
CI/CD tool	: Jenkins
Version Control	: GIT
Containerization Tool	: Docker, Kubernetes
Configuration Tool	: Ansible

## PROFESSIONAL EXPERIENCE

### Company: MARIAN PRIVATE LIMITED

**Role** : DevOps Engineer  
**Project** : Stack Sports League Websites.  
**Client** : Stack Sports  
**Skills Used** : GIT, JIRA, HTML5, Css3 & LINUX

### Roles & Responsibilities:

- Involved in creating the company's DevOps strategy in a mix environment of Linux (**Ubuntu, CentOS**) servers along with creating and implementing a cloud strategy based on Amazon Web Services (**AWS**).
- Worked on Branching and Merging, Resolving Branching Strategy maintaining Branching strategy using **GIT** Merging and taking regular backup from source code from **GIT**.
- Deploy and monitor scalable infrastructure on Amazon web services (**AWS**) & configuration management using **Terraform**.
- Implemented a Continuous Delivery pipeline with **Docker, Jenkins** and **Git Hub** and AWS AMI's, whenever a new Git hub branch gets started, Jenkins, our Continuous Integration (**CI**) server, automatically attempts to build a new Docker container from it.
- Configuring the **Docker containers** and creating **Docker files** for different environments.
- Configured the application on AWS **EC2 AMI** Instances and also installed the storage on **S3 Buckets**.
- Responsible for managing infrastructure provisioning (**S3, ELB, EC2, IAM, VPC,**) and deployment via EC2 Installs with Ubuntu, CentOS.
- Administered **Linux** servers, managing software installations, configurations, and updates.
- Managed file systems, including mounting and un-mounting drives, and ensuring proper permissions and ownership.
- **Auto scaling** the Amazon Web Service (AWS) depending upon the requirement.
- Implemented Continuous Integration (**CI**) Process across projects.
- Good Knowledge on Continuous Delivery/Deployment (**CD**) process.

### Cloud Certifications:

- **AWS Solution Architect**
- **DevOps Engineer**

### Aws & DevOps Internship

#### Project 1: End-to-End DevOps Project on AWS

**Project Overview:** Implemented a comprehensive DevOps pipeline on AWS to streamline development workflows, enhance deployment efficiency, and ensure robust infrastructure management.

#### Skills and Tools Used:

AWS (VPC, EC2, S3, IAM, Cloud Watch, CLI)

DevOps (GIT, Jenkins, Docker, Rolling Updates, Monitoring, Logging)

- Managed code repositories using GIT.
- Set up Jenkins for CI/CD to automate build, test, and deployment processes.
- Containerized applications using Docker and deployed on AWS EC2 instances.
- Automated infrastructure management using scripts and AWS CLI commands.
- Implemented rolling updates to minimize downtime.

- Monitored application performance and health using AWS CloudWatch.
- Configured IAM roles and policies for secure access control.
- Conducted load testing to ensure system scalability and performance.

## **Project 2: CI/CD Pipeline Implementation Using Jenkins**

**Project Overview:** Set up a Continuous Integration/Continuous Deployment (CI/CD) pipeline using Jenkins to automate the build, test, and deployment processes. Improved development efficiency and ensured consistent application deployment.

### **Skills and Tools Used:**

AWS (VPC, EC2)

DevOps (Jenkins, GIT, Docker, Maven, YAML, CI/CD practices)

- Installed and configured Jenkins.
- Set up a GIT repository for source code management.
- Created Jenkins jobs for building and testing code with Maven.
- Built Docker images from the source code and pushed them to a Docker registry.
- Deployed applications to staging and production environments using Jenkins.
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## **PERSONAL PROFILE**

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|------------------|---------------------------|
| • Father's Name  | : Janardhan               |
| • Marital Status | : Single                  |
| • Nationality    | : Indian                  |
| • Languages      | : English, kannada, Hindi |

I hereby confirm that all above furnished details are true and correct to the best of my knowledge.

**(Prajna)**