

PYPURI UDAYKUMAR

DevOps Engineer

Dynamic DevOps Engineer with extensive experience in IT, specializing in cloud infrastructure management, CI/CD processes, and automation. Targeting senior-level opportunities to leverage technical expertise in a challenging environment, preferably within Hyderabad.

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CORE COMPETENCIES



- ❖ Project Planning
- ❖ Solution Installation & Configuration
- ❖ Application Lifecycle Management
- ❖ Build & Production Deployment
- ❖ Release Management
- ❖ DevOps – Build and Release
- ❖ CD & CI Set-up & Process
- ❖ Production Systems Architecture
- ❖ Cloud Infrastructure Management
- ❖ Configuration Management
- ❖ Infrastructure as Code



SOFT SKILLS



EDUCATION

- ❖ B.Tech. in Electronics & Instrumentation, Bapatla Engineering College, 2018



TECHNICAL SKILLS

- ❖ Scripting: Powershell, Bash, shell
- ❖ Version Control: GitHub
- ❖ Cloud Platforms: AWS, Azure
- ❖ Continuous Integration/Continuous Deployment (CI/CD): Jenkins
- ❖ Configuration Management: Ansible
- ❖ Containerization: Docker
- ❖ Orchestration: Kubernetes
- ❖ Monitoring and Logging: Prometheus, Grafana, Zabbix
- ❖ Operating Systems: Linux (Ubuntu), Windows
- ❖ Databases: MySQL.
- ❖ Editor Tools: Vi, Vim
- ❖ Repository: Nexus
- ❖ Project Management: JIRA, Service now
- ❖ Infrastructure as Code: Terraform



PROFILE SUMMARY

- ❖ A focused professional with a wealth of experience **exceeding 5.8 years** in the IT industry, emphasizing the application of DevOps methodologies that have driven substantial improvements in operational performance and organizational outcomes.
- ❖ Functioning as a **DevOps Engineer at Merative India Pvt. Ltd.**, tasked with orchestrating CI/CD pipelines and managing the deployment of cloud-based solutions to enhance operational efficiency.
- ❖ Progressed through various roles, including **CloudOps Administrator and DevOps Administrator**, acquiring a robust skill set in **automation, configuration management, and cloud services**, enhancing overall project delivery.
- ❖ Led the execution of a **comprehensive cloud migration strategy** that achieved a **15% decrease in operational expenses** while simultaneously enhancing system scalability and overall **performance during the tenure at IBM**.
- ❖ Exhibited strong **leadership and communication capabilities**, promoting teamwork across diverse functional groups to optimize workflows and effectively address technical challenges. Implemented various PowerShell scripts to automate manual procedures
- ❖ Possess extensive expertise in the **application of configuration management tools, particularly Ansible**, which has suggestively improved the reliability and uniformity of server configurations across various environments.
- ❖ Proficient in **Cloud Technologies** with hands-on **experience in AWS and GCP**, managing infrastructure and migrating on-premises solutions to cloud environments.
- ❖ Skilled in **Configuration Management with strong capabilities in Ansible for server automation and orchestration**.
- ❖ Containerization Experience with **Docker and Kubernetes, enabling scalable and efficient application deployment**.
- ❖ Strong **Scripting Skills in Bash and PowerShell**, automating workflows and improving operational efficiency.



WORK EXPERIENCE

Merative India Pvt. Ltd., Hyderabad (Formerly IBM Watson Health)

DevOps Engineer

August 2023 - Present

Project: IBM Watson

- ❖ Spearheading the implementation of Git branching and merging conventions, enhancing collaboration and code quality among development teams.
- ❖ Configuring and maintaining Jenkins to meaningfully accelerate the continuous integration process and reduce deployment times across multiple environments (Test, QA, Stress, and Production).
- ❖ Automating builds and deployments using Jenkins, resulting in a reliable and repeatable deployment process that is improving team productivity.
- ❖ Developing and maintaining dependable, timely builds, ensuring seamless project execution and minimizing downtime.
- ❖ Leveraging Shell Scripting to automate build processes, streamlining operations and reducing manual effort.
- ❖ Harnessing AWS services (EC2, S3, RDS, Elastic Load Balancing, CloudWatch) to architect scalable and resilient cloud infrastructure, driving operational efficiency.
- ❖ Identifying and resolving bugs in build scripts, enhancing overall system reliability and performance.
- ❖ Preparing and optimizing builds using Maven and Ant on Red Hat Linux, facilitating faster release cycles.
- ❖ Creating scripts in Batch and Shell for both UNIX and Windows environments, enhancing flexibility and interoperability.
- ❖ Driving continuous delivery initiatives using Ansible, ensuring smooth deployment workflows and effective configuration management.
- ❖ Responsible for writing Manifests to configure nodes, experience in setup Docker environment and run Docker container.
- ❖ Setting up and managing Docker environments, promoting containerization practices that improve application scalability and reliability.
- ❖ Managing the deployment of web applications to AWS cloud servers via Ansible, ensuring robust and secure delivery.
- ❖ Leveraging Terraform to automate the provisioning and management of cloud infrastructure, enabling version control, reproducibility, and efficient scaling across AWS services.



CERTIFICATION

- ❖ Microsoft Azure Certified Administrator Associate (AZ-900)



PERSONAL DETAILS

Date of Birth: 20th July 1996

Languages Known: English, Telugu, Hindi

Address: #3-65, Beside Indian Overseas Bank, Veerabhadrapuram, Tanuku, 534222

IBM India Private Ltd., Hyderabad

DevOps Engineer

April 2022 - July 2023

Project: IBM Watson

- ❖ Spearheaded the configuration of Jenkins jobs with Git and Maven, drove efficient artifact generation and expediting the build pipeline.
- ❖ Took charge of maintaining Jenkins backups, safeguarding critical data and enhancing operational reliability.
- ❖ Installed and configured Ansible while developing robust playbooks that automated server configurations and ensured consistent deployments.
- ❖ Integrated Jenkins with Ansible to automate application deployments, meaningfully reduced deployment time and improved accuracy.
- ❖ Developed and shared reusable Ansible roles, fostered a culture of efficiency and standardization across projects.
- ❖ Supervised the maintenance of Jenkins artifacts in the Nexus repository, ensured version control and easy retrieval.
- ❖ Enhanced Jenkins performance by creating slave nodes for parallel builds, boosting team productivity and build efficiency.
- ❖ Successfully set up servers and deployed applications across multiple environments (DEV, QA, UAT, STAGING), ensured smooth transitions between stages.
- ❖ Leveraged Git for source code management, implemented effective branching strategies that enhanced collaboration and code quality.
- ❖ Configured GitHub Webhooks with Jenkins to automate integrations, proactively notified developers of any source code issues.
- ❖ Professionally addressed and resolved infrastructure-related tickets in Jira, maintained a smooth operational flow.
- ❖ Designed nodes across multiple availability zones to achieve high availability, ensured robust application performance.
- ❖ Utilized Kubernetes to orchestrate and manage containerized applications, implemented various deployment strategies to meet project needs.
- ❖ Expertly configured and managed web servers, ensured high reliability and performance for deployed applications.

TCS, Bangalore

January 2019 – April 2022

Growth Path:

DevOps Administrator

January 2020 - April 2022

Project: UNFI

- ❖ Deployed, configured, and managed cloud infrastructure across AWS, Azure, and GCP, optimized resource utilization and performance.
- ❖ Managed virtual machines, containers, and serverless environments, ensured scalability and reliability of applications.
- ❖ Set-up and maintained network configurations for applications and services, enhanced connectivity and security.
- ❖ Established and maintained automated build processes using Jenkins, GitLab CI/CD, and CircleCI, improved deployment efficiency and reduced errors.
- ❖ Automated deployment pipelines to streamline the deployment of applications and updates, meaningfully reduced release times.

Cloud Operations Administrator

January 2019 - January 2020

Project: UNFI

- ❖ Provided support and maintenance for Windows Server 2003, 2008, and 2012 while ensuring system stability and performance.
- ❖ Conducted compliance remediation and OS-level patching, including service pack updates and functional patches, to maintain security and functionality.
- ❖ Communicated effectively with customers regarding downtime, project updates, and troubleshooting progress, fostered transparency and trust.
- ❖ Supported ticket queue maintenance and addressed issues related to anti-virus upgrades and security remediation.
- ❖ Engaged in the remediation of server monitoring tools, including Net-SNMP, HP-SIM, IBM Tivoli, Snare, Tideway, BDNA, and ESM.
- ❖ Configured and managed Group Policy Objects (GPO) on Windows Active Directory, ensuring centralized management and robust security policies.