

PRITISH KUMAR TIRPATHY

Senior Infra Developer

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Bhubaneswar, Odisha i India



As a skilled DevOps professional with over 5 years of experience managing Kubernetes infrastructure in self-hosted production environments, I have a deep understanding of both general and Kubernetes networking firewall concepts. My proficiency in shell scripting and Ansible, and experience with tools such as JenkinsX, Tekton, GitLab, Grafana, Prometheus, and ELK have prepared me for any challenge. With experience in managing the Problem Management, Incident Problem, and service request queues, I have a proven track record of identifying, troubleshooting, diagnosing, and correcting systems-related issues as they arise. My objective is to leverage my expertise to drive innovation and continuous improvement in complex technical environments, and provide ongoing operational support while working closely with team members on issue resolution. With effective leadership skills, strong analytical skills, and adaptive problem solving, I am ready to take on any new challenge in the DevOps field.

WORK EXPERIENCE

April 2022 | Senior Infra Developer | Cognizant Technology Solutions Pvt. Ltd. ,
Present | Hyderabad
India

February 2020 | DevOps Engineer | Global Soft Labs Pvt. Ltd. ,
March 2022 | Noida
India

May 2018 | Test Engineer | Uniinfo Telecom Services Ltd ,
Feb 2020 | Madhya Pradesh
India

EDUCATION

2013-2017 Spintronic Technology And Advance Research, Bhubaneswar, Odisha- B.Tech in Mechanical Engineering

TECHNICAL SKILLS

System Administration	Linux, Windows, Ubuntu
Version Control Tools	GIT, GITHUB, GITLAB
Cloud Infrastructure	AWS : EC2, VPC, IAM, Cloud Watch, S3, SNS, RDS, ROUTE-53, AWS-CLI;
Cloud Platform	Azure; Google Cloud Platform
Configuration Management Tools	Ansible, Chef
Continuous Integration	Jenkins
Monitoring tool	Prometheus, Grafana
Containerization Tool	Docker, Kubernetes

LANGUAGES

English	● ● ● ● ●
German	● ● ○ ○ ○
French	● ● ○ ○ ○
Hindi	● ● ● ● ●
Telgu	● ● ● ● ○
Odia	● ● ● ● ●

+ SOFT SKILLS

- > Strong communication skills
- > Collaboration and teamwork
- > Problem-solving and critical thinking
- > Adaptability and flexibility
- > Time management and prioritization
- > Leadership and mentorship
- > Attention to detail and accuracy
- > Continuous learning and improvement mindset

- > Over 5 years of DevOps expertise in application configuration, code compilation, packaging, building, automating, managing, and releasing code from one environment to another, and server deployment.
- > Prior familiarity with DevOps operating processes such as installing and configuring tools.
- > Extensive experience with Jenkins for continuous integration and end-to-end automation of all builds and deploys.

- Expertise with containerization platforms such as Docker. Docker was used to virtualize servers on AWS, generate Docker files, produce DockerImages, run Docker Containers, remove Docker images and Containers, and manage Docker Network and Docker volumes.
- Expertise in container orchestration, such as Kubernetes. Debugging and generating Kubernetes Objects (like Pods, Replication Controller, Replica Set, Demon Set, Deployment, Service and Volume).
- Worked with Jenkins pipelines to drive all micro services builds out to Docker registry and subsequently deployed to Kubernetes.
- Administration experience with source control management systems such as GitHub is preferred.
- Experience integrating GitHub and Jenkins into a Continuous Integration (CI) system.
- Having experience on Continuous Integration tool like Jenkins Experience developing the company's DevOps in a mixed environment of Linux servers, as well as developing and implementing a cloud strategy based on Amazon web servers
- Successfully ran and supported a global 24*7 internet-based service or product, ensuring customer satisfaction and business success.

EC2 , IAM , S3 , VPC , SNS , RDS , Route53 , AWS-CLI , EBS , AMI , ELB , Auto scaling , VPC , Subnets , Route Tables , Security Groups , NACL , IGW , NAT

PROJECTS

NOVARTIS (SWITZERLAND)

APRIL, 2022-PRESENT

- Manages Kubernetes environment, with expertise in installing, configuring, and administering Kubernetes distributions in self-hosted production environment.
- Handled more than 184 incident tickets and 87 ctask (deployment tickets) in one year period along with developing proficiency and maintaining CI/CD pipelines and Ansible scripts.
- Proficient in containerization technologies, with experience in Docker containers and solid understanding of networking and firewall concepts in Kubernetes infrastructure and application delivery.
- Experienced in DevOps tools such as JenkinsX, Tekton, and GitLab, and logging and monitoring tools such as Grafana, Prometheus, and ELK stack.
- Collaborated with multiple teams on projects with varying degrees of flexibility/rigidity at different points in the development cycle, demonstrating ability to maintain positive working relationships.
- Skilled in incident management, change management, and problem management, with proficiency in managing and administering incident, problem, and service request queues.
- Expertise in troubleshooting, diagnosing, and correcting systems-related issues as they arise, monitoring and reviewing Kubernetes dashboards, logs, and critical alerts to ensure system issues are identified, escalated, and addressed as quickly as possible.
- Reduced 30 % of inflow of tickets from the job failed alerts across 3 environment i.e.-Development, Quality Analysis and Production
- Led the implementation and maintenance of Kubernetes infrastructure, including cluster design, deployment, and upgrade, ensuring compliance with security and compliance policies.
- Developed and maintained CI/CD pipelines for various applications and services, integrating different tools and services such as Git, Jenkins, SonarQube, Artifactory, and Kubernetes.
- Provided technical leadership and mentorship to junior team members, sharing knowledge and best practices for Kubernetes, DevOps, and infrastructure as code.

Kubernetes management , Infrastructure management , Containerization technologies , Networking and firewall concepts , Shell scripting , Ansible , DevOps tools (JenkinsX , Tekton , GitLab) , Logging and monitoring tools (Grafana , Prometheus , ELK) , Project management

AIR LIQUIDE INDUSTRIAL GASES COMPANY (FRANCE)

FEB, 2020-PRESENT

Air Liquide is the world leader in gases, technologies and services for Industry and Health, Air Liquide is present in 80 countries established and serves more than 3 million customers and patients. Oxygen, nitrogen and hydrogen are essential small molecules for life, matter and energy. They embody Air Liquid's scientific and have been at the core of the company's activities since its creation in 1902.

Git , GitHub , Jenkins , RHEL , Tomcat , Shell , Docker , Ansible , AWS

ROLES & RESPONSIBILITIES

- Installation and configuration of the Jenkins continuous integration server for all GitHub repositories.
- Developed a Continuous Delivery pipeline using Docker and GitHub.
- Analyze and resolve problems linked to Git source code merging.
- Using AWS, configured servers by importing volumes, activating EC2, building Security groups, Auto-scaling, Load balancers (ELBs) utilising Cloud formation templates, and AMLs using Infrastructure as a Service.

- Designed, constructed, and deployed a variety of applications employing practically the whole AWS stack (including EC2,S3), with a focus on high availability, fault tolerance, and auto-scaling.
- To set up the Continuous Delivery Pipeline, leveraged Ansible Playbooks. Using Ansible Playbooks, deployed microservices and environments.
- DevOps expert in automating the code compilation, packaging, building, and releasing processes across different environments.
- Familiar with installing and configuring various DevOps tools and processes to ensure smooth operation of the software development life cycle.
- Extensive experience using Jenkins for continuous integration and end-to-end automation of all build and deployment processes.
- Connected the continuous integration system to GIT version control repository, ensuring continuous builds and deployments.
- Deployed Continuous Delivery pipeline using JenkinsX and Kubernetes with Helm, ensuring efficient and scalable deployments.
- Set up Continuous Delivery Pipeline using a pre-defined playbook using Ansible, ensuring consistent and reliable deployments.
- Managed Kubernetes cluster, performing troubleshooting activities for alerts and maintaining system health.
- Experienced in managing Problem Management, Incident Problem, and Service Request queues, ensuring prompt and efficient resolution of issues.
- Proficient in logging and monitoring tools such as Grafana and Prometheus, ensuring visibility into system health and performance.
- Identified, troubleshooted, diagnosed, and corrected cluster-related issues as they arise, ensuring maximum uptime and system reliability.
- Possesses effective leadership skills, strong analytical skills, and adaptive problem-solving abilities, contributing to team success and project completion.
- Collaborated with cross-functional teams to ensure smooth operations and efficient deployment processes.
- Mentored junior team members, sharing knowledge and best practices in DevOps processes and tools.
- Maintained up-to-date knowledge of emerging trends and technologies in DevOps and automation, implementing best practices and optimizing processes to enhance system performance and efficiency.



AWARDS AND ACHIEVEMENTS

2022 Certified Kubernetes Adminstarator [LF-lswefxez7l]



REFERENCES

Naresh Kumar Vadlapati

Technical Lead | **COGNIZANT TECHNOLOGY SOLUTIONS PVT. LTD.**

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