# Yogesh T

## DevOps & Cloud Engineer | Infra Automation | CI/CD | AWS

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Linkedin: https://www.linkedin.com/in/yogesht22 | Github: https://github.com/YogeshT22 | Leetcode: https://leetcode.com/u/yogesht22/

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## Summary/Objective:

- **DevOps and Cloud Engineer** with **hands-on experience** in building and automating **CI/CD** pipelines and managing **Linux** systems. Proven ability to reduce manual effort and improve deployment **reliability** through personal projects, demonstrated by an **80% reduction in server setup** time using Ansible and a **70% decrease in failed deployments with a custom Jenkins pipeline**. Built and deployed full-stack infra used by other learners and documented on GitHub/blogs.
- **Tools:** Ansible | Jenkins | Git | GitHub Actions | Bash | Docker | AWS | Linux | Python | Kubernetes | Terraform | Helm | Prometheus | Grafana

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## Education:

- **Bachelor of Computer Applications (BCA)** | Alagappa University | Feb 2022 – May 2025 | 70.2% / 7.025 CGPA

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## Experience:

**IT Systems Engineer (Contract)** | Trishul Mountain Hotels Pvt Ltd | Feb 2024 – Feb 2025

- **Maintained and supported** hybrid infrastructure of **10+ Windows/Linux servers**, including patching, access control, and system monitoring to keep uptime stable.
- Assisted with **migration** of legacy accounting system to Tally ERP 9, improving network access reliability across departments.
- **Automated** some routine tasks like user account setup and system updates using **Bash scripts**, reducing manual workload.
- Created **documentation and troubleshooting guides** to speed up resolution of common IT issues.
- **Tech Stack:** Windows Server, Ubuntu, Bash scripting, Tally ERP 9, LAN/Wi-Fi

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## Projects:

**Automated Personal Server Setup with Ansible** | Github Link

- Automated provisioning and configuration of a personal Linux server using **Ansible**, reducing manual setup time by **80%**.
- Implemented secure user management, **SSH key authentication**, firewall rules (UFW), and automatic updates for improved server security.
- Developed reusable Ansible playbooks ensuring **100% idempotency** and consistent server state across multiple setups.
- Documented setup process with clear instructions, enabling replication of infrastructure in under **~5 minutes**.
- **Technologies used**: Python, Ansible, Ubuntu Server, UFW firewall, SSH key authentication, Bash scripting.

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**Full DevOps Stack with Jenkins + K8s + Grafana – Real-World CI/CD Platform on AWS** | Github Link

- Designed and implemented a full, end-to-end DevOps platform, **provisioning the underlying infrastructure on AWS using Terraform** and deploying a suite of containerized tools including Gitea, Jenkins, and a private Docker Registry onto an **EC2 instance**.
- Architected a complete Pipeline-as-Code solution using a Jenkinsfile that automated the entire software delivery lifecycle, **reducing deployment time for new features from hours to under 5 minutes.**
- Containerized application components with Docker and orchestrated them on a **Kubernetes** cluster using declarative manifests (Deployments, Services, Ingress), ensuring high availability and eliminating environment inconsistencies.
- Implemented a full observability stack by deploying **Prometheus** and **Grafana** using **Helm** charts, providing real-time monitoring and dashboards for cluster health, resource utilization, and application performance.
- Configured a secure and automated workflow with Gitea **webhooks** and Jenkins **API tokens** to trigger the CI/CD pipeline instantly on every git push, enabling true continuous integration.
- **Technologies used:** AWS, Jenkins, Kubernetes, K3d, Docker, Helm, Prometheus, Grafana, Gitea, Python, Bash, Docker Compose.

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