

# UDAY PATIL

## DevOps Engineer

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📍 Pune, Maharashtra, India

### CAREER SUMMARY

DevOps Engineer with 1.7+ years of experience in CI/CD automation, cloud infrastructure, and applying software engineering principles. Skilled in **GitHub Actions, Jenkins, Docker, Kubernetes, and Terraform** with strong experience in AWS services. Proven track record of optimizing deployment workflows and enhancing system reliability.

### KEY COMPETENCIES

- **AWS Services:** EC2, S3, IAM, VPC, RDS, ECR, CodePipeline, Codebuild
- **Infrastructure as Code:** Terraform
- **CI/CD Pipelines:** GitHub Actions, Jenkins, AWS CodePipeline
- **Containerization & Orchestration:** Docker, Kubernetes
- **Programming & Scripting:** Shell Scripting, Bash
- **Web & Monitoring Tools:** Cloudflare (DNS & WAF)
- **Version Control & Tools:** Git, GitHub, VS Code
- **AI Tools** - Claude, ChatGPT, Gemini, Perplexity, Cursor, LLM, Chat bot integration

### WORK EXPERIENCE

#### Crypto 306 DevOps Engineer | June 2024 – Present

##### Project 1 – News Articles Website Hosting

- Designed and automated **CI/CD** pipeline with **GitHub Actions** for deploying a News Articles Website on AWS EC2.
- Integrated GitHub repository with automated build-test-deploy workflows, reducing manual release efforts by 90%.
- Configured GitHub Secrets and **IAM** roles for **secure** deployments, ensuring compliance and access control.
- Optimized application performance and security by integrating **Cloudflare** for **DNS** management, **SSL** offloading, and **WAF** protection.

##### Project 2 - Data Governance tool

- Managed the full product life cycle of the Data Governance tool by implementing **CI** using **AWS CodePipeline** and **CodeBuild**.
- Collaborated with development teams to improve efficiency of release cycles by **containerizing** applications using **Docker** and **ECR**.
- Deployed code across multiple environments on EC2 reducing environment setup time by 40%.

### PERSONAL PROJECTS

- **High-Availability Web Hosting:** Deployed scalable web applications integrating Cloudflare for advanced DNS management, SSL encryption, and DDoS protection.
- **Terraform AWS Infrastructure:** Infrastructure Automation project to provision scalable AWS resources (VPC, EC2, RDS) using Terraform modules as code.
- **Kubernetes Deployment Lab:** Deployed containerized applications on **Kubernetes** clusters with auto-scaling and networking configurations.
- **Dockerized Node.js Applications:** Created optimized **Docker images** for Node.js apps and pushed to DockerHub for team collaboration.

### COURSES & CERTIFICATIONS

- Silicon Certified Network Administrator (SCNE)
- Certificate Course in Cyber Security

### EDUCATION

Sarvepalli Radhakrishnan University  
Bachelor's Degree in Computer Applications (BCA)

Bhopal, India  
2020 – 2022