

Ashutosh Saxena

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DEVOPS ENGINEER & OPEN SOURCE ENTHUSIAST

DevOps Engineer & Open Source Enthusiast

Tech enthusiast with a passion for all aspects of DevOps, from automation to security, hardware to software. Experienced in open-source development and committed to continuous learning in emerging technologies like RISC-V.

EDUCATION

Bachelor of Technology in Information Technology

Jabalpur Engineering College · Jabalpur · 11/2020 - 01/2025 (Expected)

WORK EXPERIENCE

Google Summer of Code · Remote
Jenkins

May 2023 - Aug 2023

- Streamlined Jenkins setup process using Docker Compose, enabling one-command deployment
- Developed shell scripts for container management and SSH key generation, enhancing security
- Created custom Dockerfiles for specific Jenkins tutorials and implemented Docker Compose profiles for cross-platform support
- Implemented automated testing through GitHub Actions using Jenkins REST API
- Improved user engagement by creating comprehensive documentation, tutorials, and a one-click Gitpod setup

DevOps Freelance · Onsite · Local Hospital

May 2024 - Present

Usha Chikitsalaya

- Configured a Dell server with Ubuntu to host an Electronic Medical Record (EMR) system
 - Implemented and customized Bahmni, an open-source EMR software based on OpenMRS
 - Provide ongoing maintenance and support for the server infrastructure
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PROJECTS

Youtube Doom Scroll Preventer

- Developed a Golang application to automate YouTube video downloads, reducing platform distractions
- Integrated YouTube Data API v3 and yt-dlp for video fetching with cron scheduling for regular updates
- Implemented Docker support with multi-stage builds and user-configurable video preferences

Portfolio Website

- Created a WordPress-based personal portfolio to showcase technical projects and skills
- Deployed the static site on GitHub Pages with custom domain configuration

SKILLS

Container Technologies - Docker, Docker Compose, Kubernetes

CI/CD Tools - GitHub Actions, Jenkins

Scripting - Bash, Python

DevOps Tools - Ansible, Git, GitHub, Linux, REST APIs, Terraform, Vagrant

Development - Go, Java

Cloud - AWS

Other - YAML, Technical Documentation, Remote Collaboration