

# Ashutosh Saxena

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## DEVOPS & 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, recently learning low level stuff like RISC-V and Assembly

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## EDUCATION

Bachelor of Technology in Information Technology  
Jabalpur Engineering College · Jabalpur · 11/2020 - 01/2025 (Expected)

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## WORK EXPERIENCE

**Google Summer of Code · Remote** **May 2023 - Aug 2023**  
**Jenkins**

- 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 & CERTIFICATIONS

**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

**CERTIFICATION** - Introduction to RISC-V (LFD110) - Linux Foundation