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# Ashutosh Saxena

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## DevOps

Tech enthusiast with a passion for all aspects from automation to security, hardware to software. As a Google Summer of Code 2023 mentee at Jenkins. Plagued with an overwhelming urge to tinker, figure things out, pull apart, break, and build DevOps infrastructures.

## WORK EXPERIENCE

**Google Summer of Code 2023** • Remote • 05/2023 - 08/2023

### Jenkins

- Streamlined the Jenkins setup process by creating Docker Compose files, enabling a ready Jenkins setup with one command.
- Developed Shell scripts for container initiation, termination, and SSH key generation. Improved security by using controller and agent as separate containers.
- Crafted custom Dockerfiles for specific Jenkins tutorials and implemented Docker Compose profiles for Windows support.
- Implemented regular testing of files through GitHub Actions using Jenkins REST API, ensuring reliability and performance.
- Enhanced user experience by creating user-friendly documentation, tutorials, and a one-click Gitpod setup, improving user engagement and satisfaction.

## PROJECTS

### Youtube Doom Scroll Preventer

- Developed a Golang application to automate the downloading of YouTube videos, reducing platform distractions.
- Integrated YouTube Data API v3 and yt-dlp for video fetching and cron scheduling for regular updates.
- Enabled Docker support with Multi-stage docker build and allowed users to set video resolution and download time preferences.

### Portfolio Website

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

## SKILLS

**Container Technologies:** Docker, Docker Compose, Kubernetes

**CI Tools:** Github Actions, Jenkins

**Scripting:** Bash, Python

**Tools:** Ansible, Git, GitHub, Linux, REST APIs, Terraform, Vagrant, WordPress

**Development:** Go, Java

**Cloud:** AWS

## EDUCATION

**Bachelor of Technology in Information Technology**

Jabalpur Engineering College • Jabalpur • 11/2020 - 01/2025