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

Devlopment: Go, Java

Cloud: AWS

EDUCATION

Bachelor of Technology in Information Technology

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