Surya Pratap Singh

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Skills

Languages: Go, Python, JavaScript, Bash, PowerShell, Awk, SQL

Technologies: Git, Unix Shell, Kubernetes, Azure DevOps, Terraform, Docker, Grafana, Ansible, Jenkins, Tomcat

Methodologies: Agile, Scrum, Jira, DevOps, CI/CD, Functional Programming

Operating Systems: RHEL Linux, Arch Linux, Ubuntu, Windows

Experience

EXL Services | *DevOps Engineer* Aug 2022 – Present

- Collaborated with a team to streamline the CI/CD process using Kubernetes, reducing deployment time by 60% and enhancing delivery speeds while ensuring zero-downtime deployments
- Assisted in developing Kubernetes manifests and Helm charts, contributing to a 20% reduction in deployment complexities for SMB clients
- Experience implementing Azure services such as Azure Active Directory (AD), Azure storage, Azure cloud services, IIS, Azure Resource Manager (ARM), Azure VM, SQL Database, Azure Functions, Azure Service Fabric
- Working knowledge in deploying CI/CD systems using Azure DevOps on Kubernetes container environment, and for the runtime environment of CI/CD systems to build, test, and deploy, we have utilized Kubernetes and Docker
- Optimized Dockerfiles for application deployment, resulting in a reduction of image sizes by 10%, and decreased storage costs
- Created Jenkins pipelines and used Gradle for building .jar files and deploying on Windows servers by creating a system service, resulting in the elimination of 30% of manual work and fast-processed project delivery time
- Managed infrastructure automation using Terraform and Ansible, cutting down provisioning times for new environments by 35%
- Developed scripts in PowerShell, Bash, and TCL to automate simple and repetitive tasks; this helped increase team productivity by 10%

Projects

HomeLab | *Proxmox, Debian, Docker, OPNSense*
Simple HomeLab setup using an old laptop as a server and Proxmox as the main OS. This setup helps me to learn new technologies such as OpenShift, Istio, Helm, and more to keep myself updated with the latest trends and tools in DevOps. I also use my HomeLab to host a private file-sharing server, whoogle instance, and local SVN server

GSCT | *Go, Wayland, Wlr-roots*
An Open Source day/night gamma adjustments for Wayland compositors written in Golang using the wlr-gamma-control protocol based on xsct, which is used for Xorg clients

G-DWM | *C++, DWM, ST, SlStatus* | *Link*
My own fork of DWM, featuring tab layout and scratchpads as main features which include custom dmenu scripts to manage Linux operations and scripts through the keyboard only

Blog | *Neovim, River-WM, Programming* | *Link*
A personal blog where I document my learnings on programming tools and languages I use and also explain how to set up and incorporate Neovim, tilling window manager & Linux bash scripts for a better developer workflow and increased productivity

Education

Jaipur Engineering College And Research Centre Aug 2017 - Jul 2021
B.Tech Electronics And Communication