

SALIL KAYASTHA

DevOps Engineer

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PROFESSIONAL SUMMARY

DevOps / Platform Engineer with hands-on experience in Docker containerization, Kubernetes deployments, and CI/CD automation. Strong background in Linux server administration, monitoring with Prometheus and Grafana, and securing infrastructure using Cloudflare, SSL/TLS, and firewalls. Experienced with GitLab CI, GitHub Actions, and ArgoCD for scalable deployments. Former backend (Ruby on Rails), now expanding expertise in AWS and Infrastructure as Code using Terraform. Passionate about automation, reliability, and secure cloud-native systems.

SKILLS

DevOps & Automation: Kubernetes | Docker | GitLab CI | GitHub Actions | ArgoCD | Bash Scripting | Cron Jobs

Monitoring & Security: Prometheus | Loki | Grafana | Datadog | Cloudflare | OpenVPN | PKI Infrastructure (SSL/TLS Certificates, Certbot) | Sonarcloud | Trivy | Vault

Cloud & Virtualization: AWS | DigitalOcean | VMware | Hypervisor (Proxmox)

Programming & Development: Bash | Ruby on Rails | Flutter

Databases: PostgreSQL | Redis | MySQL | MongoDB (Basics)

Web & Application Servers: NGINX | Apache

Operating Systems: Linux (Ubuntu, Debian) | Windows | MacOS

Networking & Infrastructure: DNS Management | Firewall Configuration | VPN Setup | High Availability & Disaster Recovery (concepts)

Container & Cloud Tools: Docker Compose | S3-Compatible Storage | Kubernetes Config Management

Version Control: Git | GitHub | GitLab

PROFESSIONAL EXPERIENCE

Platform Engineer

08/2023 – Present

KrispCall

- **Directly collaborated with 50+ engineers**, providing hands-on DevOps support to resolve infrastructure, CI/CD, and deployment issues, ensuring development teams were never blocked.
- Designed, built, and maintained CI/CD pipelines using **GitLab CI** and **GitHub Actions** for React, Python, and PHP applications
- Built, deployed, and operated Kubernetes workloads using Docker images and **ArgoCD (GitOps)**
- Managed and operated multiple kubernetes clusters with **500+ running pods**, including local Kubernetes setups on hypervisors
- Deployed and maintained centralized monitoring and logging stacks using **Prometheus, Grafana, Loki, Datadog, SigNoz, and Zabbix**
- Implemented proactive monitoring, alerting, analytics, and daily health checks across environments
- Managed AWS infrastructure including **EC2 instances, security groups, VPC networking**, and automation using **AWS CLI**
- Integrated **AWS CLI with DigitalOcean Spaces** for storage operations and backup workflows
- Implemented **Cloudflare** for DNS management, firewall rules, IP blocking, OWASP security policies, analytics, and traffic monitoring
- Migrated and containerized WordPress applications; managed **12+ WordPress sites**, including PHP upgrades, configuration tuning, and performance optimization
- Deployed and maintained **70+ CRM instances** across **Dev, QA, UAT, and Production** environments
- Deployed and configured **SonarQube** for static code analysis and code quality enforcement
- Used **Fastlane** for automated iOS application build and deployment pipelines
- Managed **GitLab Container Registry** and implemented Docker image lifecycle management
- Performed Docker image vulnerability scanning using **Trivy**
- Deployed and administered **OpenVPN** for secure internal and remote access
- Managed relational and NoSQL databases including **PostgreSQL, Redis, and MongoDB**, with responsibilities covering user management, access control, and **PostgreSQL FDW** configurations
- Implemented **HashiCorp Vault** for centralized secrets management and secure credential handling
- Automated infrastructure provisioning, maintenance, backups, and operational tasks using **Bash scripting and cron jobs**
- Built automated backup pipelines to transfer data securely to backup servers and **DigitalOcean Spaces**
- Integrated **Google Sheets API** for automated link generation and operational workflows
- Configured and optimized **NGINX** for web hosting, load balancing, and reverse proxy workloads

Associate Software Engineer

06/2022 – 08/2023

Yeti Tech

- Developed REST APIs using Ruby on Rails
- Built frontend components (dashboards, forms, galleries) using Angular
- Containerized applications using Docker Compose
- Implemented GitLab CI pipelines for automated build and deployment
- Deployed applications on Ubuntu Linux servers

Bootcamp Trainee

01/2022 – 04/2022

Gurzu Inc

- Learned fundamentals of HTML, CSS, JavaScript, Linux, Git, and Ruby on Rails
- Built a Rails API-based learning platform with JWT authentication
- Implemented role-based access (teacher/student) and course management features

Data Analyst

12/2017 – 02/2022

Cloudfactory

- Data analyzed of various clients, data review and report generation.
- Adopted workflow according to use case of different client's requirements.
- Worked on tight deadlines due to urgent client requests.
- Collaborated with diverse teams in a project.

EDUCATION

Bachelor in Information Management

2019

Nagarjuna College of Information Technology

- Passed