

# AKASH K ROY

## DEVOPS ENGINEER

### CONTACT

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### SKILLS

- Cloud Platforms & Infrastructure:** AWS, GCP, Azure, Proxmox, Bare Metal Servers, Cloudflare
- Infrastructure as Code:** Pulumi, Terraform, Ansible
- Containerization & Orchestration:** Docker, Kubernetes, Dagster
- Configuration Management & CI/CD:** GitHub Actions, Jenkins, Buddy
- Software Development & Testing:** Software Delivery, Automation Testing, Software Development and Delivery Lifecycles
- Scripting Languages:** Python, Bash, Rust
- Databases:** PostgreSQL, MySQL, MongoDB
- Monitoring & Security:** Grafana, Prometheus, Loki, Wazuh, Zero Trust Authentication Model, Tailscale
- Networking & System Administration:** Linux (Debian, Ubuntu, Red Hat, Arch), TCP/IP, Bind, Nmap, iptables
- Soft Skills:** Problem-solving, troubleshooting, communication, teamwork, quick learner, Agile Methodology
- Domain Knowledge:** Healthcare, Power Transmission and Distribution

### EDUCATION

#### Bachelor's in Computer Applications

#### Chandigarh University

Aug 2021-Aug 2024

**Project:** Built a monitoring stack with Grafana, Loki, Prometheus to collect and visualize logs and metrics from multiple servers in real-time using Grafana dashboards.

### CERTIFICATIONS

- Agile Foundations: LinkedIn
- Python Essential training: LinkedIn

### PROFILE

DevOps Engineer with over 6 years of experience in infrastructure management and process automation. Proven expertise in enhancing security measures and optimizing CI/CD pipelines. Proficient in cloud platforms, container orchestration, and scripting. Strong problem-solving skills and a commitment to staying updated with the latest technologies.

### WORK EXPERIENCE

#### DevOps Engineer

**DroiceLabs**, Remote

MAY 2021 – PRESENT

- Data Pipeline Management & Automation:** Streamlined and automated data pipelines using Python and Apache Spark, improving efficiency by 40%. Developed libraries for data integration from CSV, JSON, PostgreSQL, and Snowflake.
- Monitoring & Provisioning:** Implemented Grafana, Prometheus, and Loki, increasing system uptime to 99%. Automated server provisioning across multiple platforms (Proxmox, AWS, GCP, Azure) with Terraform, reducing setup times by 60%.
- CI/CD & Security Enhancements:** Developed CI/CD pipelines with GitHub Actions, increasing deployment frequency by 50% and reducing errors by 25%. Strengthened security by implementing Wazuh, Zero Trust models, and SOC integration, cutting incidents by 45%.
- Cost Optimization:** Monitored and optimized cloud infrastructure costs, achieving a 20% reduction in monthly expenses through resource utilization analysis and rightsizing.
- Cross-Team Collaboration:** Collaborated with development and product teams to integrate monitoring and security tools into the software development lifecycle, ensuring seamless operations and enhanced system reliability.

#### DevOps Engineer

**GLB Design & Development**, Remote

FEB 2020 – APRIL 2021

- Cloud Infrastructure & Automation:** Deployed and managed cloud infrastructure on AWS and GCP, including Kubernetes, VPCs, and ECS. Automated monitoring setups with Ansible and developed Docker images for custom applications.
- CI/CD & Development:** Built CI/CD pipelines and automation scripts to enhance deployment efficiency. Created Docker images and developed WordPress websites for clients.
- System Administration & Monitoring:** Managed Linux servers, configured essential services (Apache, MySQL, Nginx), and implemented monitoring and backup solutions to ensure reliability and security.

#### Network and Systems Engineer

**AG Marketing**, Remote

JAN 2018 – JAN 2020

- Cost Reduction & Automation:** Cut technical stack expenses by 45% and automated processes, increasing sales by 36% in 8 months.
- Infrastructure & Support:** Provisioned servers and deployed secure infrastructure using Ansible, maintaining zero downtime. Improved customer satisfaction by resolving service issues across Tier-1 to Tier-3 support.
- Protocols & Security:** Developed administrative protocols and a backup/recovery policy while setting up user security policies.