Sachin Pathak – DevSecOps Engineer

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Aspiring DevOps Engineer with 2 years of experience in automating and securing cloud infrastructures across Azure and GCP. Skilled in Docker, Kubernetes, Jenkins, Terraform, GitLab, and ArgoCD, with a strong focus on DevSecOps, GitOps, and Infrastructure as Code. Proven success in improving deployment speed by 60%, achieving 99.8% uptime, and delivering secure, scalable, and production-ready systems with advanced monitoring tools like Prometheus, Grafana, and Zabbix. Passionate about bridging development and cybersecurity to drive efficiency and reliability in modern cloud environments.

KEY SKILLS

Containerization | Application Deployment | Configuration | Cloud Security Integration | Orchestration | Automation | Monitoring | Log Management | Threat Intelligence | Vulnerability Assessment | Configuration Management | Infrastructure Automation | | Web Application Security

TOOLS & TECHNOLOGIES

Scripting Languages: Python, Shell | **Database Management Systems:** PostgreSQL, AWS Dynamo DB, SQL
Container Platform: Docker| **Architecture:** Microservices, Monolith | **Monitoring Stack:** Prometheus, Grafana, Loki, Zabbix **Version Control:** Git, Gitlab, GitHub | **Platform:** DevOps, Azure, AWS Cloud, Digital Ocean

PROFESSIONAL EXPERIENCE

DevOps Engineer | C9Lab (Pinak Infosec Pvt. Ltd.) — Indore, IN| May 2024 – Present
DevOps Intern | C9Lab (Pinak Infosec Pvt. Ltd.) — Indore, IN| Feb 2024 – Apr 2024

Infrastructure Implementation, Security Automation & Threat Intelligence Integration

- Spearheaded the **end-to-end design and implementation of DevOps infrastructure** from the ground up, establishing a scalable, secure, and orchestrated cloud environment for development teams.
- Orchestrated CICD pipelines with Robust Monitoring and Observability on Zabbix, Prometheus, and Grafana Dashboard.
- **Provisioned** and **launched** containerized microservices using Docker and Compose, leveraging a private Docker registry to manage and distribute secure container images.
- Debugged and tuned Python/Django backend services, identifying performance bottlenecks and **reducing downtime by 30%,** resulting in smoother user experiences.
- Streamlined provisioning and deployments using Terraform, Docker, and Jenkins CI/CD, reducing release time by 60%.
- **Collaborated** with the cybersecurity team to **integrate threat intelligence** and **automate security workflows**.
- **Worked closely** with development and security teams to **implement DevSecOps workflows**, incorporating **security scanning**, **vulnerability management**, and **compliance checks** into the CI/CD pipeline.
- Maintained accurate **documentation of security configurations**, integrations, and procedures.

C9Pharos – Website Monitoring & Vulnerability Assessment Mobile App

- **Architected** and deployed a complete DevOps Infrastructure using Terraform, provisioning 8 VMs to host independent microservices supporting the application backend.
- **Configured Azure Application Gateway** and **Web Application Firewall (WAF)** to secure inbound traffic, manage SSL termination, and provide **Layer-7 load balancing** for microservices.
- **Established** network segmentation, enabling isolated communication between backend services for enhanced security.
- Orchestrated **CI/CD pipelines** using **Jenkins** and **GitLab CI**, automating builds, testing, and deployments, reducing manual effort by **60%** and deployment time by **40%**.

Qsafe – Brand Protection and Threat Intelligence Platform

- **Engineered** and **operationalized** dedicated **staging** and **production ecosystems** on **Azure**, delivering a highly available and secure application deployment.
- **Containerized** the backend (Python, Redis, Celery, and Celery Beat) using **Docker** and **Docker Compose**, enabling distributed task processing and **faster parallel execution**.
- **Released** multi-framework frontends (React, Vue.js) and **SuperAdmin panel**, leveraging **Docker Hub** for image management and version control.

C9Phish – Phishing Simulation & Security Awareness Platform

- **Architected** and **delivered** a complete full-stack application, leveraging **Microsoft Azure** for production workloads and **Rackbank servers** for staging, ensuring **99.8% uptime** across all environments.
- **Developed** and optimized **CI/CD pipelines** using **Jenkins**, **Docker**, **Compose**, **Gunicorn**, and **Uvicorn**, streamlining build, test, and deployment processes, cutting manual efforts by **65%**.

AWS EKS Deployment, GitOps Workflow & CI/CD Automation using ArgoCD

- **Designed** and **rolled out** a production-grade **Kubernetes architecture** on **EKS**, supporting seamless container orchestration and **high availability** across distributed microservices.
- **Built** and **integrated** a **GitOps-driven CI/CD** pipeline using **ArgoCD**, automating continuous delivery and ensuring complete synchronization between the infrastructure and application states across all environments.
- **Containerized** and **instantiated** microservices using **Docker**, leveraging **ECR** for image management and enhancing deployment efficiency with **Helm charts**.
- **Provisioned** cloud infrastructure using **Terraform**, automating **EKS cluster** creation, networking, and supporting AWS resources for **scalable deployments**.
- **Applied** progressive delivery strategies through **ArgoCD rollback** and **sync policies**, ensuring **rapid recovery**, minimal downtime, and **zero-impact production updates**.

KEY PROJECTS EXECUTED

1. **Project:** Dark Web Threat Intelligence Integration using MISP & OpenCTI | **Duration:** May '05 – Jun '30

Key Achievement: Successfully integrated **MISP** and **OpenCTI** with the **Qsafe platform**, enabling continuous dark web threat intelligence collection and correlation, achieving a **40% improvement** in real-time threat visibility and incident response efficiency.

2. **Project:** Cloud-Native Serverless Exam Prep Platform on AWS | **Duration:** Jan 2026 – Feb '26

Key Achievement: **Successfully designed** and **commissioned** a production-grade serverless application on AWS using **11 Lambda functions, API Gateway, 7 DynamoDB tables, and S3 buckets**, leveraging **AWS SAM** for repeatable multi-environment deployments.
Modular microservices architecture with secure authentication workflows and event-driven processing.Implemented CI/CD using **GitHub Actions**, enabling pipeline-driven build, validation, and zero-downtime stack deployments. Applied IAM least-privilege policies and streamlined **DynamoDB** schema for scalable, cost-efficient performance.

EDUCATION

- **M.Sc. – Physics** | Rani Durgawati VishwaVidyalaya, Katni, M.P.| 2021 - 22
- **B.Sc. – Computer Science** | Rani Durgawati VishwaVidyalaya, Katni, M.P.| 2018 - 21
- **Diploma in Cloud Computing and Cyber Security** | Jenking, Indore| 2022 - 24