

Kamlesh Parihar

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EDUCATION

LOVELY PROFESSIONAL UNIVERSITY, PHAGWARA

May 2021 - May 2025

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE

7.34 CGPA

VIVEK SENIOR SECONDARY SCHOOL, BALI, PALI, RAJASTHAN

June 2018 - March 2019

SENIOR SECONDARY – SCIENCE STREAM (RBSE BOARD)

93.6%

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate
- Microsoft Certified: Azure Security Engineer Associate

TECHNICAL SKILLS

Programming and Scripting Languages: Python, Bash/Shell scripting, SQL

Containerization and Orchestration: Docker, Docker Swarm, Kubernetes, kOps

Version Control Systems: Git, Github

Continuous Integration and Continuous Delivery (CI/CD): Jenkins, Argo CD, Github Actions

Configuration Management: Ansible

Monitoring and Logging: Prometheus, Grafana

Infrastructure as Code: Terraform, Chef

Networking Fundamentals: TCP/IP, OSI, DNS, SSH, HTTPS

Cloud Computing Platform: AWS, Azure, GCP

Build tool: Maven, NPM

Databases: MySQL, MongoDB

Technologies/Frameworks: Linux, Apache tomcat, WordPress, React.js, Node.js, Spring Boot, REST API, Microservices

TRAINING AND LAB EXPERIENCE

CODE KLOUD – DEVOPS PROFESSIONAL TRAINING

Nov 2024 – Feb 2025

DevOps Trainee (Remote)

- Designed scalable cloud environments using **Terraform & Ansible**, applying Infrastructure as Code (IaC) best practices.
- Built & deployed full **CI/CD pipelines** using **Jenkins**, automating build, test, and deployment workflows.
- Completed hands-on labs simulating real-world enterprise DevOps environments with **Docker**, **AWS**, and **monitoring tools**.

AWS ACADEMY LABS

2023 – 2024

Cloud Lab Experience

- **AWS Academy Cloud Foundations Certified** – Gained core skills in **EC2**, **Lambda**, **S3**, **EBS**, **VPC**, **IAM**, **CloudWatch**, and **CloudTrail**.
- **AWS Cloud Architecting Certified** – Designed scalable architectures using **Auto Scaling**, **Route 53**, **ELB**, **WAF**, and **KMS**.

PROJECTS

AUTOMATED CI/CD PIPELINE WITH DEPLOYMENT | JENKINS, MAVEN, SONARQUBE, DOCKER, ARGO CD DECEMBER 2024

- Implemented end-to-end CI/CD pipelines using Jenkins, which automated build, testing, and deployment processes; this decreased software release cycles by 40% and improved application deployment frequency by 35%.
- Configured Jenkins to build, tag, and push Docker images to Docker Hub, updating deployment manifests with new image versions for automatic ArgoCD-triggered deployments.
- Set up Git integration to manage and push manifest updates, ensuring seamless version control and continuous deployment to Kubernetes.

ERRORKUBE: REAL-TIME KUBERNETES ERROR MONITORING SYSTEM | KUBERNETES, OPERATOR SDK, DOCKER FEBRUARY 2025

- Built a Kubernetes Operator to automate deployment of backend and frontend services, leveraging RBAC for secure event access and Kubernetes DNS for backend scalability.
- Implemented a Go-based backend to stream real-time Kubernetes error events via WebSocket and a React frontend to display them dynamically with filtering options.
- Containerized the application using Docker, deployed it on Kubernetes, and integrated Prometheus and Grafana for monitoring and alerting.

