

# Praveen Kumar

Technical Lead

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🎓 Jeppiaar Maamallan Engineering College: B.Tech - IT'16 |

✉️ Devops Engineer with 5+ years of experience, specializing in compliance and security standards

## Work Experience

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### HCLTech

Oct 2024 - Present

Technical Lead

Chennai, India

**Client:** Cisco Systems, Inc.

**Project Name:** Continuous Delivery as a Service[CDaaS]

- **Transitioned Jenkins agents from Ubuntu 20.04 LTS to 24.04 LTS using Ansible**, while ensuring backward compatibility and maintained zero downtime for existing pipelines.
- **Led a team of 3 engineers** in the successful implementation of DevOps tools including Jenkins, Docker, and Kubernetes. This integration resulted in **two key improvements**: an increase in deployment speed and significantly reduced lead times for project delivery.
- **Created a comprehensive Makefile to standardize build and deployment commands**, which in turn reduced manual intervention and deployment errors by 15%.
- **Integrated Conjur with Jenkins using Summon for secure secret management**: Eliminated hardcoded secrets in scripts, reducing security vulnerabilities by 20%

### HCLTech

Oct 2021 - Sept 2024

Lead Engineer

Chennai, India

**Client:** Cisco Systems, Inc.

**Project Name:** Security Services Exchange[SSE]

- **Deployed an eventing pipeline on AWS GovCloud(US) using Terraform, Jenkins, Python, and Bash**: Achieved 100% compliance with FedRAMP standards and reduced incident response time by 20%
- **Migrated Jenkins nodes to a new environment**: Maintained all configurations and jobs with zero data loss and less than 5 minutes of downtime.
- **Automated SSL certificate renewal using Shell scripting**: Streamlined security updates, reducing manual intervention by 50%.
- **Developed a Python script to migrate Redis cluster keys**: Enabled disaster recovery testing to complete faster and restored critical data in under 2 hours during tests for SOC2 compliance.

### Wipro

Jul 2021 - Aug 2021

Sr. Software Engineer - AWS SME

Chennai, India

**Project Name:** iDEAS

- As a member of the **Cloud Migration** team for the iDEAS project, focusing on two primary tasks: Analyzed 8 microservices and associated data for migration readiness, identifying key dependencies that enabled zero downtime during cloud migration.

### MacAppStudio

May 2020 - Jul 2021

Cloud Analyst

Chennai, India

**Clients:** AGS, May6 entertainment, Radiance Realty, DriveX, Pepul

- **Set up AWS cloud environments for new projects**: Achieved 40% cost savings by right-sizing resources and leveraging AWS Savings Plans.
- **Implemented advanced monitoring with Nagios and iptables**: Reduced security incident response time by 20% and improved network uptime to 99.9%.

- **Developed and maintained CI/CD pipelines using Jenkins:** Integrated with Amazon ECS to automate the deployment process for our projects.

Skills				
AWS	Terraform	Ansible	Makefile	Python
● ● ● ● ●	● ● ● ● ○	● ● ● ○ ○	● ● ● ● ○	● ● ● ○ ○
Groovy	Shell scripting	Kubernetes	Bug hunting	
● ● ● ● ○	● ● ● ○ ○	● ● ○ ○ ○	● ● ○ ○ ○	
Certifications				
Simply Certify CKA - Certified Kubernetes Administrator				August 2025
Udemy				
<a href="https://ude.my/UC-dbd89588-e0d6-4a8f-ad28-031c17516225">https://ude.my/UC-dbd89588-e0d6-4a8f-ad28-031c17516225</a>				
[NEW] KCNA Kubernetes and Cloud Native Associate - Hands On!				August 2025
Udemy				
<a href="https://ude.my/UC-aa9e7ed5-6ce7-48bc-a83e-c16b2ce145bb">https://ude.my/UC-aa9e7ed5-6ce7-48bc-a83e-c16b2ce145bb</a>				
Open-Source Intelligence (OSINT) Fundamentals				August 2025
TCM Security				
<a href="https://academy.tcm-sec.com/courses/1221729/certificate">https://academy.tcm-sec.com/courses/1221729/certificate</a>				