

Profile Summary

Security Compliance and Platform Engineer with over 7 years of experience designing and automating compliance solutions for VMware Cloud Foundation and open-source platforms. Proven expertise in STIG, CIS, FIPS, and FedRAMP initiatives, leveraging Chef InSpec, Ansible, Kubernetes, and GitHub Actions to strengthen security posture and reduce operational overhead. Recognized for leading cross-functional security initiatives, collaborating with globally distributed teams, and delivering secure, scalable, and resilient solutions.

IT Skills

Git, Gerrit, Jenkins, Concourse, GitHub Actions, GitLab, Docker, Kubernetes, Ansible, Chef InSpec, SALT, Maven, Helm, SonarQube, Twistlock, JFrog, Nexus, Harbor, AWS, Azure, Java, Shell, Python, cAdvisor, Prometheus, Grafana, and MariaDB (SQL)

Work Experience

R&D Engineer Software III | Security & Compliance (January 2022 – Present) – VMware (acquired by Broadcom), Pune

- Led automation efforts for STIG security compliance across VMware and open-source platforms (VCF, Photon, Ubuntu) using Chef InSpec and Ansible, improving audit readiness and reducing manual effort. Published and maintained open-source STIG compliance profiles in VMware's public GitHub repositories, enabling community adoption and external validation.
- Developed STIG-hardened container images and automated CI/CD pipelines using GitHub Actions, integrating Twistlock scans to enforce security controls and maintain FedRAMP compliance.
- Owned and led the CIS Benchmark compliance effort for VMware Cloud Foundation (VCF), defining security controls, coordinating cross-functional teams, and ensuring alignment with industry best practices.
- Designed and delivered an internal scanning tool to identify non-FIPS cryptographic modules, accelerating vulnerability detection and significantly reducing audit preparation effort.

Senior Software Engineer | DevOps Engineer (April 2019 – December 2021) – Wipro Limited, Noida

- Automated application deployments to Dev and QA environments, improving delivery speed and boosting development and testing efficiency by 20%.
- Developed and optimized CI/CD pipelines by integrating automated testing and enhancing Docker image build processes, reducing build and release times and improving deployment reliability.
- Developed Helm charts for Spring Boot applications to streamline deployments and maintain environment consistency.
- Managed Kubernetes clusters across production and staging environments, troubleshooting deployment issues and ensuring platform stability and high availability.
- Executed disaster recovery drills and implemented backup and restoration strategies to validate application resilience and improve recovery preparedness.

Academic Details

M.Tech. in Software Engineering from Birla Institute of Technology and Science (BITS), Pilani	2022 – 2024
B.Tech. in Mechanical Engineering from Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar	2015 – 2019

Certifications

- Microsoft Certified Azure Fundamental (AZ-900)
- Wipro Certified DevOps Professional

Honors and Recognition

VMware (acquired by Broadcom)

- Received accolades from senior leadership for developing STIG Hardened Container Images and contributing to FedRAMP initiatives.
- Recipient of the “At Our Best” Award by NSX BU for exceptional contribution to automating STIG Content for NSX-T.
- Recipient of the “Spot Award” for the exemplary work carried out during the Broadcom acquisitions.

Wipro Limited

- Earned “Round-of-Applause Recognition” Award for successfully leading application migration.
- Featured on the client Yammer page for excellent cross-functional team collaboration.