# TRIDEV GUHA

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## **Professional Summary**

Tech-savvy and results-driven IT professional with 7 years of experience in cybersecurity, DevOps, and infrastructure management at Qualys. Proven track record in optimizing systems, enhancing security protocols, and automating workflows using tools like Docker, Jenkins, and Linux. Recently upskilled in Al-driven development, actively integrating tools like ChatGPT, Copilot, and Google Al for automation, scripting, and productivity enhancement. Adept at prompt engineering, Al-assisted development, and leveraging LLMs to build smarter, faster, and more efficient tech solutions.

## **Professional Experience**

- Security Signature Engineer | Qualys (03/2018 Present)
- Oversaw security signature creation and management, including detection for critical zero-day CVEs.
- Worked with Qualys VMDR IDS for Linux, Windows, and macOS platforms.
- Collaborated across teams to implement DevOps practices, CI/CD with Jenkins, containerization using Docker & Kubernetes, and infrastructure automation with Terraform and Ansible.

#### Skills

- Cybersecurity
- Vulnerability management, IDS (Qualys VMDR), firewall, IAM, encryption.
- Familiarity with zero-day detection mechanisms.
- DevOps & Automation
- Jenkins, Docker, Kubernetes, Terraform, Ansible, Git.
- CI/CD pipelines, IAC, configuration management.
- Linux System Administration
- 7+ years managing Debian, Ubuntu, RHEL systems.
- Shell scripting, cron jobs, troubleshooting, user/service/security management.

- Google Apps Script with Google Sheets backend.
- Frontend-focused, lightweight business tools and automation.
- Cloud AWS
- EC2, S3, IAM, RDS, Route 53, Lambda, CloudFront.
- Load balancing, VPCs, cost optimization, high availability.
- Al Tools & Technologies
- ChatGPT, GitHub Copilot, Google Gemini, Blackbox Al.
- Prompt engineering, AI APIs integration, scripting support.

#### **Education**

- PG-DITISS | CDAC (08/2017 02/2018)
- B.Tech | Techno India University (01/2013 12/2017)

#### **Certificates**

- Red Hat Certified System Administrator (RHCSA) 02/2020
- Post-Graduate Program in DevOps (Caltech Simplilearn) 11/2023

## **GitHub Projects**

- Containerized Shopping App: https://github.com/adsnjhfyeqw231eas/ContainerizedShoppingAPP
- Banking Microservices App: https://github.com/adsnjhfyeqw231eas/Banking-Microservicesapp

## Summary:

- I thrive in collaborative environments and take pride in being a dependable team player. Whether it's brainstorming solutions, sharing knowledge, or stepping up when a teammate needs support, I'm always committed to the group's success. I value open communication, respect diverse perspectives, and contribute to a positive, results-driven work culture. My ability to adapt and work well with cross-functional teams has consistently helped in meeting goals efficiently and strengthening team morale.
- In my role as a Security Signature Engineer at Qualys, I have been responsible for overseeing security signature creation and management. This includes developing, updating, and maintaining security signatures to detect vulnerabilities and threats in the

- company's systems and networks. I have also actively participated in vulnerability management practices and utilized tools like Qualys VMDR IDS to ensure the companys' assets are secure against potential threats.
- During my time at Qualys, I have extensively utilized DevOps principles and automation tools to streamline processes and enhance efficiency. I have implemented CI/CD pipelines using Jenkins, containerized applications with Docker and Kubernetes, and managed infrastructure using Terraform for Infrastructure as Code. Additionally, I have used Ansible for configuration management and automated provisioning, contributing to a more agile and reliable development environment.

### Languages

• English, Hindi, Bengali