

# Nilesh Patil

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## EXPERIENCE

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Software Engineer | [Cisco Systems](#) | India | September 2023 – Present

### 1.WxCCE Security Scan Automation Solutions

- **Developed and deployed** an automated solution for security scanning, integrating Python, Jenkins, PowerShell scripts, Cisco IT Win VM, and security tools (Corona and Solis), reducing manual efforts by 100% and ensuring consistent, timely scans across builds.
- **Collaborated with security teams and** BU component teams to gather in-depth requirements for automating vulnerability scans, achieving full alignment with organizational security standards.
- **Implemented periodic**, sprint-based scans through Jenkins to automatically inspect the latest release builds for vulnerabilities, enhancing security compliance across teams and reducing exposure to potential threats.
- **Streamlined error handling** and improved system robustness by incorporating detailed logging and validation mechanisms, ensuring reliable and accurate results in every scan cycle.
- **Enhanced notification mechanisms**, allowing automated emails to alert the responsible teams of identified vulnerabilities, boosting response time and maintaining security across critical components.
- **Achieved near-total automation** of the process, improving operational efficiency and reducing manual intervention, leading to a timelier resolution of vulnerabilities.

### 2.CCBU Certificate Management Agent

- **Developed and deployed a certificate management solution** as part of a group project, integrating Bash scripting, XML, and APIs to enable seamless interactions between agent and server systems.
- **Designed and implemented a** Discovery Module to automatically identify services and their versions running on systems, streamlining the certificate management process.
- Created **Linux-based CLI tools** to perform various server-side operations, such as retrieving system data and executing administrative tasks, improving operational efficiency.
- **Developed notification systems** to alert administrators about certificate expirations, enhancing proactive management and reducing downtime risks.
- Ensured the efficiency and reliability of the discovery and notification systems through rigorous testing and debugging.

## TECHNICAL SKILLS

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**Full Stack Technologies:** Spring Boot, React,

**Languages:** Java, Python, JavaScript, SQL, Bash, PowerShell, HTML, CSS

**Databases and Tools:** Oracle, MySQL, MongoDB

**Platforms:** Windows, Linux, MacOS.

**Version Control:** Git, GitHub, Jenkins, Postman, Jira

**Subject:** Data Structure and Algorithm, Computer Network, Operating System, DBMS

## EDUCATION

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Savitribai Phule Pune University, Bachelor of Computer Engineering, Pune, India | June 2019 – June 2023

## CERTIFICATIONS

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- CCNA Certification (2024), Cisco Systems. [Link](#)
- Full Stack Web Developer Certification (Simplilearn) (2024). [Link](#)
- Python Certification (Simplilearn). [Link](#)
- Hacker Rank Gold Star for SQL. [Link](#)