Balaji Nagaraj Melagiri

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Objective

A results-driven engineer with 3+ years of experience building automation tools, developing scripts, and delivering scalable solutions in Python, C++, and bash. Adept at software development, data analysis, application testing, and security engineering. Passionate about solving complex problems and contributing to innovative projects across software, data, testing, and DevOps domains.

Technical Skills

- **Programming:** Python, C++, Shell Scripting, PowerShell, JavaScript
- **Security & Tools:** Saner (Vulnerability & Compliance Management), SIEM (Splunk / ELK — hands-on familiarity), Secure Code Review, SAST, DAST, OWASP Top 10, Burp Suite, Wireshark, Fiddler, OVAL, Application Security, Vulnerability Management, Cloud Security
- **Compliance Standards:** CIS, STIG, NIST, HIPAA, PCI-DSS
- **Vulnerability Assessment:** OWASP Top 10, CVSS scoring, risk reporting
- **Penetration Testing Tools:** Burp Suite, OWASP ZAP, Nmap
- **Virtualization & Cloud:** VMware ESXi, Proxmox, AWS
- **Platforms & OS:** Microsoft Windows, Ubuntu, Kali Linux, Fedora, Linux Mint, RHEL, Oracle Enterprise Linux (OEL), macOS
- **Other:** Git/SVN, SQL, HTML/CSS, WordPress, ReactJS

Education

Ramaiah Institute Of Technology, Bachelor of Electronics and Communication Engineering — 2019 – 2022
- CGPA: 7.3

KLE's C B Kolli Polytechnic, Diploma in Electronics and Communication Engineering — 2016 – 2019
- Percentage: 82.57

Experience

Senior Software Engineer, SecPod – Bangalore — Apr 2025 – Present
- Authored 500+ OVAL compliance checks across Windows, Linux, and macOS systems for standards such as CIS, STIG, and NIST
- Built automated remediation scripts using Bash and PowerShell to fix configuration drift across 1,000+ endpoints
- Improved compliance automation coverage by 30%, reducing manual intervention

Software Engineer, SecPod – Bangalore — Aug 2022 – Mar 2025
- Developed OVAL scripts to detect misconfigurations across devices and create patch scripts to resolve identified issues, utilizing shell scripting for Mac and Linux platforms, and PowerShell for Windows devices.
- Built Python utilities to automate security tasks, increasing team efficiency by 20%
- Managed virtualization environments (ESXi, Proxmox) to simulate real-world security environments for content validation
- Conducted penetration testing on SanerNow platform, identifying critical OWASP Top 10 risks
- Ensure the quality and accuracy of the security content developed within the Compliance Management team.
- Conducted interviews to expand and strengthen the capabilities of the team.
- Created public-facing vulnerability advisories and blogs to increase awareness of CVEs impacting enterprise systems

Tech Intern, Keysight Technologies – Bangalore   April 2022 – July 2022

- Analyze the functionality of 5G technology and the protocols involved in communication.
- Conduct regression testing on developed scripts to ensure reliability and accuracy.
- Collect and analyze logs generated by the scripts to identify potential issues or improvements.

Certifications & Training

Linux Basics and Shell Programming Certification Training - Udemy   May 2025
Learn ethical hacking from scratch - Udemy   June 2025