

Vedika Maheshwari

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🔗 VedikaM6

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Proactive Full Stack Developer and Cybersecurity professional with a strong foundation in software development, secure coding practices, and cybersecurity principles. Proficient in designing scalable solutions, identifying vulnerabilities, and implementing secure systems. Experienced in working with diverse programming languages, tools, and frameworks, as well as conducting security assessments and simulations. Adept at collaborating with cross-functional teams to deliver innovative solutions while ensuring compliance with security standards.

Technical Skills

LANGUAGES • FRAMEWORKS		TOOLS • APPLICATIONS		SYSTEMS • CONCEPTS	
• Bash	• Python	• Confluence	• MongoDB	• Agile Methodology	• Microservices Architecture
• C	• JavaScript	• Docker	• Nmap	• CI/CD DevOps Pipeline	• Software Development Lifecycle (SDLC)
• Go	• Powershell	• Git	• Office 365	• Testing Concepts	• Sprint Planning
• HTML/CSS	• SQL	• Jenkins	• SAP ERP	• API Testing	• REST APIs
• Java	• Vue.js	• JIRA	• Wireshark	• Object Oriented Programming (OOP)	• Network Configuration
		• Kubernetes	• GitHub		• Version Control Strategies

Work Experience

Emailistics Corp.

Full-Stack Software Developer

May 2023 - Aug 2023

- Resolved 7+ critical vulnerabilities by optimizing Go code and improving database structures, enhancing system reliability for 10,000+ users
- Provided frontline technical support by diagnosing and documenting recurring bugs, which reduced issue resolution times and improved support efficiency
- Collaborated with cross-functional teams to build new features and perform unit and integration tests to ensure high quality deployments
- Created 5+ pages of concise technical documentation to support junior developers and promote alignment across teams
- Performed API testing using Postman and integrated automated tests, reducing manual regression efforts and improving release confidence
- Contributed to agile sprints by writing test cases and defining acceptance criteria, helping identifying bugs earlier and streamline releases

Junior Software Developer

May 2022 - Aug 2022

- Enhanced dashboard microservice to support customizable data views, enhancing reporting efficiency and increasing customer satisfaction by 30%
- Promoted cybersecurity best practices during 3+ technical design meetings, ensuring scalability, alignment with compliance standards and reducing security risks in early development stages
- Developed and maintained knowledge base articles to assist non-technical users, resulting in 25% decrease in repeat IT support tickets

Projects

Phishing Awareness Simulation & Security Testing

Jan 2024 - Jun 2024

- Built a front-end interface enabling senior staff to schedule phishing campaigns and track metrics, with a dashboard that visualized results from employees in real time
- Analyzed phishing simulation data and tailored training for employees, leading to a 60% drop in phishing link clicks over a 3-month period

Network Security Assessment & Vulnerability Scanning

Nov 2023 - Dec 2023

- Conducted vulnerability scans on 10 university servers using python and nmap, identifying 50+ open ports, ICMP behaviours, SYN cookie deployments, and other misconfigurations to evaluate server exposure and defensive posture
- Compiled a comprehensive report summarizing findings across all scanned servers and delivered 10+ security recommendations to guide future improvements

Certifications

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| • Splunk Core Certified User | Pursuing |
| • CompTIA Security+ | Mar 2025 |
| • SAP ERP (Enterprise Resource Planning) Essential Training | Mar 2025 |
| • ISC2 Cybersecurity Certification (CC) | Sep 2024 |

Education

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|---|----------|
| B.A. in Computer Security | May 2024 |
| YORK UNIVERSITY | |
| Advanced Diploma in Computer Systems Technology | Dec 2020 |
| SHERIDAN COLLEGE | |