Venkatesh Yerram

venkateshyerram6@gmail.com | +91 8328551060| LinkedIn | Portfolio

PROFESSIONAL SUMMARY:

- Professional Security Software Engineer with over 4 years of experience in Web application development, API automation, Application security.
- Architected automation solutions for insurance companies, developed selenium scripts for functional testing.
- Worked on Enabling CI/CD with Azure Pipelines, GitHub Actions and Package management using Azure Artifacts for Build/Release Management.

PROFESSIONAL EXPERIENCE:

IT Intern | *UNCC*   **Aug 2022 - May 2023**

- TA for Secure program and penetration testing collaborated with the professor to develop 10+ course materials.
- Tutored the concepts on Network Security (Traceroute, DNS, Routing), Compliance, Cyber defense, and OWASP Top 10.
- Developed 10+ Semgrep scripts while conducting research and designed 4+ assignments to perform code reviews.

Product Developer | iAssist Innovations labs   **Apr 2020 - Dec 2021**

- Developed 10+ Restful API to manage microservices for applications resulting in reduction of code redundancy by 50%.
- Provided leadership to multiple teams by offering guidance and support, which included conducting code reviews and assisting with debugging efforts.
- Developed a module using NLP to enhance the accuracy of Character Recognition (ICR & OCR) output, achieving a remarkable accuracy rate of over 90%.
- Implemented a queuing mechanism using Kafka in multi-threaded environment, reducing the overall CPU usage by 50%.
- Secured the server architecture by introducing secure authentication capabilities (SSO, Token-Based, Two Factor, Multi Factor), access control technique, safely protected 10+ applications.
- Developed an adaptable insurance claim automation for 20 hospitals, adopted by 500+ hospitals with 0% code change.
- Implemented secure CI/CD pipelines, automated SAST solutions, and reduced deployment time by 80%.

Software Engineer | *Manomay consultancy services*   **Nov 2018 - Mar 2020**

- Developed backend, front-end and led the software development team resulting in project delivery within 50% of expected timeline.
- Designed and Developed ETL pipeline in python, launched application, configured, revamped the database, utilizing NoSQL database instead of SQL improving the query response time by 40%
- Aided in designing 5+ application architectures and implemented security measures for the applications.
- Established an effective training process and served as a mentor to junior team members, imparting essential programming language fundamentals and secure coding practices prior to project assignments.
- Conducted comprehensive regression and functional testing of mobile applications utilizing Appium, ensuring robust performance and functionality.
- Managed security of cloud infrastructure by creating and maintaining firewalls, Routing for 5+ apps
- Collaborated with stakeholders & 5 developer teams to remediate, prioritize fixes & guidance on secure coding practices.

TECHNICAL SKILLS:

Programming Languages: Python, C#, Java/J2EE, JavaScript, SQL, Shell scripting, PowerShell, jQuery, HTML, CSS.
Frameworks: .NET MVC, Django, Flask, Spring Boot, Angular.
Database systems: MySQL, NoSQL, SQL server, Oracle
Tools: Git, Jenkins, Selenium, Visio (UML), Microsoft Office, Jira, Nginx, Docker, Postman, Apache Tomcat, PySpark, Appium
Cloud & Operating Systems: GCP, Azure, AWS Dynamo DB, AWS S3, Microsoft Windows, Linux, MacOS.

Education:

University of North Carolina at Charlotte: Master of Science in Cyber Security   **Jan 2022 - May 2023**
Osmania University: Bachelor's in computer science   **Aug 2014 - May 2018**