

VENKATESH VYAS KOWJALGI

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Summary

Experienced .NET Developer with over 2.7 years of expertise in building, optimizing, and maintaining web applications using C#, .NET Core, and Entity Framework. Implemented complex LINQ queries, and optimizing SQL Server performance. Proficient in using technologies such as SQL Server Reporting Services (SSRS) for data reporting and analysis. Adept at collaborating with cross-functional teams, following best practices in software development, and utilizing tools like Visual Studio, Git, and high-quality applications. Strong background in enhancing application performance and ensuring maintainable code through unit testing, dependency injection, and code reviews. .

Technical Skills

- **Languages:** C sharp, ASP.NET, JavaScript, Python, SQL.
- **Framework and Libraries:** .NET Framework, .NET Core(MVC and Web API), Entity Framework, LINQ, Razor Pages.
- **Database Systems:** Microsoft SQL Server, MySQL, MongoDB, Redis.
- **Tools:** Visual Studio/Code, Git/Git Hub/GitLab, Postman API, Docker, Kubernetes, MQTT.
- **Other Technologies:** OAuth/OpenID/JWT, Microservices, Dependency Injection, WCF, WPF.
- **Security Tools:** Nessus, Wireshark, Snort, Metasploit, Burp Suite, OWASP ZAP.

Education

- **Sapkal College Of Engineering, Nashik, MH** Jun. 2017 – Nov. 2020
BE - Computer Engineering
CGPA: 6.8/10
- **Guru Gobind Singh Polytechnic, Nashik, MH** Jun. 2013 – Jun. 2017
Diploma - Computer Engineering
Percent: 67.50

Experience

- **Wipro — India** Dec 2021 – Present
Project Engineer — .NET Developer
Pune, Maharashtra
 - Designed and Developed new sites and web-based solutions using **ASP.NET, C Sharp, SQL, JavaScript**, encompassing both front-end and back-end functionality.
 - Troubleshooted and resolved any technical issue, bug and error.
 - Optimized SQL server queries and performed database operations using **SQL Server Reporting Services(SSRS)** for data-driven reports, improving reporting performance by up to 80%.
 - **Utilized LINQ and Entity Framework** for efficient data manipulation and query generation, reducing code complexity and improving readability.
 - Used **GIT** Repository with VS extensions for the purpose of version control and source code maintenance needs.
 - **Implemented dependency injection and unit testing** to ensure code quality, maintainability, and adherence to software development standards.
 - Involved in support and maintenance.
 - Worked as **production support** team to resolve production issue caused by data, UI code and backend code.
 - Provided comprehensive user and production support, including incident resolution, change management, and business support. Successfully resolved critical production issues, created detailed stories for significant changes, and assisted users with access provisioning, report generation, and data analysis.
 - Troubleshooted and optimized **MQTT** communication to improve performance and reduce latency.
 - Designed and Configured **MQTT** to handle high volumes of data and ensure reliable message delivery.
 - Collaborated with team members to efficiently resolve IT support tickets, ensuring timely resolution and customer satisfaction.
 - Integrated third-party services using **OAuth, JWT** and custom authentication mechanisms, providing secure access and data exchange.

Projects

Security Analysis

Feb 2024 - Mar 2024

- Aligned the organization's password policy with PCI DSS, NIST, and CIS standards through a thorough review and update process. Identified and resolved discrepancies, implemented multi-factor authentication (MFA) to strengthen security, and communicated changes through training and guidance. Ensured adherence to the updated policy and enforced compliance to mitigate security risks. Established a process for ongoing review and updates to address evolving threats and standards.

Vulnerability Assessment and Penetration Testing

April 2024 - May 2024

- Conducted a comprehensive security assessment on Windows and Debian Linux systems, encompassing Vulnerability Assessment (VA) and Penetration Testing (PT) to identify potential security weaknesses. Implemented best practices through phases such as information gathering, reconnaissance, scanning, enumeration, vulnerability assessment, exploitation, and analysis. Utilized various tools to uncover and exploit vulnerabilities, providing detailed insights, highlighting critical vulnerabilities, and suggesting remediation strategies. Collaborated with the customer to develop and implement an actionable remediation plan, strengthening the systems' security posture.

Web Guard Analysis

May 2024 - Jun 2024

- Enhanced proficiency in identifying and mitigating web application vulnerabilities using WebGoat, a platform for web security testing. Demonstrated expertise in executing SQL Injection attacks through practical exercises within the WebGoat environment, gaining a deep understanding of web application security principles, including attack vectors and defense mechanisms. Documented findings and provided recommendations to improve application security, contributing to the overall enhancement of organizational security posture.

Certification

• Advanced Executive Program In CyberSecurity

Oct 2023 – May 2024

International Institute of Information Technology Bangalore, Bangalore, Karnataka

CGPA: 3.82/4.00

• Python

June 2022

Udemy

Additional Information

- **Languages:** Marathi, Hindi, Kannada, English
- **Interests:** Lawn Tennis, Badminton, Travel, Cooking