

PRAVEEN SAHU: Lead Engineer**PROFESSIONAL SUMMARY**

- Experienced Software Engineer with 7+ years of experience specializing in C#, .NET, MVC Design Pattern, SQL, MySQL, JavaScript, jQuery, HTML, CSS, TortoiseSVN, MAUI, and IIS.
- Skilled in creating web applications, WinForms applications, backend services, and mobile applications.
- Strong problem-solving skills with a focus on innovation, high-quality code, and user experience.
- Hands-on experience in developing scalable software solutions using ASP.NET, .NET Core, and related Microsoft technologies.
- Experienced in database development, query optimization, deployment, and end-to-end application support across web and mobile platforms.
- Experienced software engineer with strong hands-on expertise in C#, .NET, ASP.NET Core, MVC, SQL, and MySQL.
- Skilled in developing web applications, backend services, and enterprise-grade software solutions.
- Proficient in working with JavaScript, jQuery, HTML, CSS, IIS, and MAUI for full-stack and mobile application support.
- Experienced in API development, microservices, real-time features, and database-driven applications.
- Strong knowledge of object-oriented programming, design patterns, and scalable application development.
- Familiar with deployment, version control, and development tools such as TortoiseSVN, Azure DevOps, and JIRA.

TECHNICAL SKILLS

- **Programming skills:** c#, .net, asp.net, asp.net core, mvc, maui.
- **Database skills:** sql, mysql, sql server.
- **Frontend skills:** javascript, jquery, html, css.
- **Deployment & server skills:** iis.
- **Version control & tools:** tortoissvn, azure devops, jira.
- **Testing & support:** smoke testing, system testing, functional testing, regression testing, end-to-end testing, uat.
- **Other skills:** winforms, backend services, api development, signalr, dapper.net, entity framework.

PROFESSIONAL EXPERIENCE**Senior Software Engineer - .NET | Kadel Labs Pvt. Ltd | Aug 2024 – Present**

- Worked on The Wildlife Surveillance and Anti-Poaching System (WS&APS 2.0), a comprehensive solution designed to establish a 24/7 surveillance and anti-poaching mechanism in wildlife reserves.
- Built using ASP.NET Core 8 and MySQL for robust functionality.
- Contributed to a video recording service used for streaming and recording through the RTSP protocol.
- Worked on an alert management system with a web interface for real-time SMS, email, and siren alerts, including locating threats on a map and enabling immediate action.
- Supported a MAUI-developed mobile application for field operators to manage alerts and respond to threats.

Senior Software Engineer | Binomial Solutions Pvt. Ltd | Apr 2019 – Jul 2024

- Worked as Senior Software Engineer and Team Lead for 5 years.

MAJOR PROJECT EXECUTED

- **Project #1: WS&APS 2.0**
 - **Overview:** The Wildlife Surveillance and Anti-Poaching System (WS&APS 2.0) is a comprehensive solution designed to establish a 24/7 surveillance and anti-poaching mechanism in wildlife reserves.
 - **Roles And Responsibilities**
 - Worked on development of the application using C# and ASP.NET Core 8.
 - Contributed to the video recording service for streaming and recording through RTSP protocol.
 - Implemented alert management features for real-time SMS, email, and siren alerts.
 - Supported map-based threat location and immediate action handling.
 - Assisted in development of the MAUI mobile application for field operators.
 - Worked with MySQL for backend data operations and overall functionality.
 - **Tech Stack:** C#, ASP.NET Core 8, MySQL, RTSP, MAUI, SMS/Email/Siren Alert Integration, Map-based Tracking.
- **Project #2: SaaS**
 - **Overview:** This project is a web application developed to trigger and analyze scans from a SaaS agent, aimed at improving cybersecurity and safe computing.
 - **Roles And Responsibilities**
 - Developed the web application using .NET Core.
 - Worked on functionality to trigger and analyze scans from a SaaS agent.
 - Supported features for vulnerability scanning and patch management.
 - Contributed to improving cybersecurity posture through application workflows.
 - **Tech Stack:** .NET Core, SaaS Agent Integration, Vulnerability Scanning, Patch Management, Cybersecurity.
- **Project #3: FarmGauge**
 - **Overview:** FarmGauge is an application developed to optimize vertical farming operations and promote sustainable agricultural practices.
 - **Roles And Responsibilities**
 - Developed, deployed, and maintained the application using .NET Core.
 - Worked on features that help track research, diseases, and automation requirements.
 - Supported application workflows for improving vertical farming operations.
 - Contributed to a solution focused on sustainable agriculture.
 - **Tech Stack:** .NET Core, Application Deployment, Maintenance, Farming Operations Tracking, Sustainability Features.
- **Project #4: Cyberwizpro**
 - **Overview:** Cyberwizpro is a domain-specific cybersecurity control and vulnerability assessment software designed for security control evaluation and remediation management.
 - **Roles And Responsibilities**
 - Led development of the platform for security controls assessment and vulnerability remediation management.
 - Automated vulnerability remediation prioritization and reporting using control assessment data.
 - Worked with .NET framework and SQL data to enhance cybersecurity workflows.
 - Contributed to solutions used in the nuclear industry.
 - **Tech Stack:** .NET Framework, SQL, Vulnerability Assessment, Remediation Management, Reporting Automation, Cybersecurity.
- **Project #5: e-Portfolio**

- **Overview:** e-Portfolio is a .NET Core based software solution developed for portfolio management in political entities.
- **Roles And Responsibilities**
 - Developed, deployed, and maintained the application using .NET Core framework.
 - Streamlined work processes through workflow improvements.
 - Enabled efficient task assignment to employees.
 - Facilitated progress tracking for better operational visibility.
- **Tech Stack:** .NET Core, Portfolio Management, Task Assignment, Progress Tracking, Workflow Automation.

EDUCATION

- **BE in Mechanical Engineering** | Bhilai Institute of Technology, Raipur, Chhattisgarh | 2014 – 2018.
- **CGBSE Board, Deepshika Vidyalay, Bhilai, Chhattisgarh**
 - **Higher Secondary School** | 2013 – 2014.
 - **Secondary School** | 2012 – 2013.