

SOURAV KUMAR

Software Developer | ASP.NET Core | C# | Full Stack Development

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PROFESSIONAL SUMMARY

Software Developer with 2+ years of hands-on experience in designing, developing, and deploying software applications using ASP.NET Core, C#, MVC, and SQL Server. Additionally, possess 2+ years of relevant experience in industrial automation, system integration, and software-driven solutions. Proficient in full Software Development Life Cycle (SDLC), REST API development, CI/CD pipelines, Azure cloud deployment, and quality assurance. Strong ability to analyze requirements, debug and troubleshoot applications, perform root cause analysis, and deliver error-free solutions with 100% on-time delivery.

TECHNICAL SKILLS

Programming	C#, ASP.NET Core, VB.NET, Python, JavaScript, PHP, C++
Web Technologies	ASP.NET MVC, Angular, HTML5, CSS3, REST APIs, Web Services, JSON, XML
Database	SQL Server, Oracle, MySQL, DB2, Stored Procedures, LINQ, Entity Framework
Tools & DevOps	Visual Studio, Git, GitHub, Jenkins, Azure DevOps, CI/CD Pipelines, Postman
Cloud Platform	Microsoft Azure (App Services, Deployment, Configuration, Monitoring)
Methodologies	Agile/Scrum, SDLC, Unit Testing, Integration Testing, Code Review, TDD

PROFESSIONAL EXPERIENCE

Rugged Monitoring Engineering Services <i>Software Developer</i>	Oct 2024 – Present
<ul style="list-style-type: none">Design, develop, and maintain software applications using C#, ASP.NET Core, and SQL Server following Agile/SDLC methodologyBuild and consume RESTful APIs for seamless data integration between front-end and back-end systemsDevelop automation scripts using Python and C#, achieving 40% improvement in deployment efficiencyImplement and manage CI/CD pipelines using Jenkins and GitHub ensuring zero-downtime deploymentsDeploy, configure, and monitor cloud-based applications on Microsoft Azure platformWrite unit tests and perform integration testing to ensure code quality and application reliabilityDebug and troubleshoot production issues; perform root cause analysis and implement fixesCollaborate with cross-functional teams to gather requirements and deliver client-focused solutions	
Amalgam Steel Pvt. Ltd., Jamshedpur <i>Software & Automation Engineer</i>	Dec 2022 – Sep 2024
<ul style="list-style-type: none">Developed internal web applications and automation tools using ASP.NET MVC and SQL Server for operations managementBuilt database-driven reporting dashboards with complex SQL queries, stored procedures, and data visualizationIntegrated enterprise software (SAP-PM) with custom modules for workflow automation and data synchronizationPerformed debugging, troubleshooting, and root cause analysis for software and system issuesCreated automated MIS reporting systems ensuring 100% accuracy and timely report generationCollaborated with IT and operations teams to gather requirements and implement software solutions	
JSW ISPL, Raigarh <i>Junior Software Engineer - Systems</i>	Feb 2022 – Dec 2022
<ul style="list-style-type: none">Developed data-driven dashboards and reporting tools using Excel VBA and database integrationCollaborated with IT teams to implement real-time monitoring solutions using SCADA and IoT platformsParticipated in software implementation projects including system configuration and data migrationMaintained technical documentation and provided end-user support for software applications	
JSW ISPL, Raigarh <i>Graduate Trainee - Technical</i>	Feb 2021 – Feb 2022
<ul style="list-style-type: none">Gained foundational experience in software development, database management, and system integrationAssisted in developing and testing software modules for asset tracking and maintenance managementLearned PLC programming, HMI configuration, and industrial control system fundamentals	

KEY PROJECTS

1. Remote Monitoring Web Application	ASP.NET Core, C#, REST API, Azure, SQL Server
<ul style="list-style-type: none">Developed full-stack web application for remote monitoring with real-time data visualization and alertsBuilt RESTful APIs for communication between IoT devices and central server; integrated Azure cloud servicesImplemented automated deployment scripts reducing deployment errors by 95% and time by 40%	
2. Enterprise Maintenance Management System	ASP.NET MVC, C#, SQL Server, SAP Integration
<ul style="list-style-type: none">Designed and developed web-based maintenance management system with preventive scheduling moduleIntegrated with SAP-PM for seamless data exchange; implemented automated email notification systemBuilt comprehensive reporting module with dynamic SQL queries and export functionality	
3. Automated Testing Framework	Python, C#, Unit Testing, Test Automation
<ul style="list-style-type: none">Developed automated testing framework for software validation with test case management system	

- Reduced manual testing effort by 60%; implemented automated test reports and defect tracking

4. Real-Time Analytics Dashboard

Angular, C#, SQL Server, SignalR

- Built interactive dashboard with real-time data updates using SignalR for live monitoring
- Implemented KPI widgets, trend charts, and drill-down reports; reduced decision-making time by 30%

5. CI/CD Pipeline Implementation

Jenkins, GitHub Actions, Azure DevOps, PowerShell

- Designed and implemented end-to-end CI/CD pipeline for automated build, test, and deployment
- Configured Jenkins jobs with GitHub webhooks; achieved 100% error-free automated deployments

EDUCATION

B.Tech in Electrical & Electronics Engineering

Seemnata Engineering College | 2025

Diploma in Electrical Engineering

Beharagora Polytechnic College | 2020

CERTIFICATIONS

- Microsoft Azure Fundamentals
- Python for Engineers
- Industrial Automation (PLC & SCADA)
- IoT Certification

ACHIEVEMENTS & AWARDS

- **INSTA Award** – Recognized for outstanding project delivery and technical excellence
- **Performance Badge** – Awarded for consistent code quality and on-time delivery
- **Client Appreciation** – Recognized for exceptional communication and problem resolution

KEY COMPETENCIES

Software Development

Full Stack Development • SDLC • REST APIs
• MVC Architecture • OOP

Quality Assurance

Unit Testing • Integration Testing • Code Review • Debugging • Bug Fixing

DevOps & Cloud

CI/CD Pipelines • Azure Cloud • Git Version Control • Automation

Database Management

SQL Server • Stored Procedures • Query Optimization • Data Modeling

Problem Solving

Root Cause Analysis • Troubleshooting • Performance Tuning • Debugging

Professional Skills

Agile/Scrum • Documentation • Client Communication • Collaboration