

SOURAV KUMAR

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

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PROFESSIONAL SUMMARY

Software Developer with 4 years of experience in software development, industrial automation, and system integration. Proficient in designing, developing, testing, and maintaining software applications using ASP.NET Core, C#, MVC, and SQL Server. Strong expertise in Software Development Life Cycle (SDLC), REST API development, CI/CD pipelines, Azure cloud deployment, and quality assurance. Proven ability to analyze client requirements, perform root cause analysis, fix bugs, and deliver 100% error-free solutions with on-time delivery. Skilled in unit testing, code review, technical documentation, and cross-functional collaboration.

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
Industrial	PLC/SCADA, Modbus TCP/RTU, IEC 61850, IoT, SAP-PM

PROFESSIONAL EXPERIENCE

Rugged Monitoring Engineering Services | Application Engineer Oct 2024 – Present

- Design, develop, and maintain software applications using C#, ASP.NET Core, and SQL Server following SDLC methodology
- Build and consume RESTful APIs for seamless data integration between systems
- Develop automation tools using C# and Python, achieving 40% improvement in deployment efficiency
- Implement CI/CD pipelines using Jenkins and GitHub ensuring error-free deployment
- Deploy and configure cloud-based solutions on Microsoft Azure platform
- Write unit tests and perform quality assurance to ensure 100% code quality
- Debug, troubleshoot, and fix bugs in production; perform root cause analysis
- Prepare technical documentation including system design, flowcharts, and code comments

Amalgam Steel Pvt. Ltd., Jamshedpur | Electrical and Automation Engineer Dec 2022 – Sep 2024

- Developed internal software tools and automation scripts using VBA and SQL for operations management
- Built database-driven reporting dashboards with complex SQL queries and stored procedures
- Integrated enterprise software (SAP-PM) with custom modules for workflow automation
- Performed debugging, troubleshooting, and root cause analysis for system issues
- Created automated MIS reporting systems ensuring 100% accuracy and timely delivery
- Collaborated with IT teams to gather requirements and implement software solutions

JSW ISPL, Raigarh | Junior Engineer - Central Utility Feb 2022 – Dec 2022

- Collaborated with IT teams for real-time monitoring using SCADA systems and IoT dashboards
- Developed Excel-based dashboards and integrated with CMMS tools for equipment tracking
- Participated in digital transformation initiatives including equipment tagging and KPI reporting

JSW ISPL, Raigarh | Diploma Engineer Trainee (DET) Feb 2021 – Feb 2022

- Gained hands-on experience with PLC-based control systems, HMI operations, and fault diagnostics
- Supported digital maintenance records and asset tracking through internal software tools

PROJECTS

1. Employee Management System

ASP.NET Core MVC, C#, SQL Server, Entity Framework

- Built a full-stack web application with CRUD operations for employee data management
- Implemented authentication and authorization using ASP.NET Core Identity
- Used Entity Framework Core for database operations with code-first approach

2. REST API for Task Manager

ASP.NET Core Web API, C#, SQL Server, Swagger

- Developed RESTful API endpoints for task management with JWT authentication
- Implemented repository pattern and dependency injection for clean architecture
- Documented API using Swagger/OpenAPI specification

3. Deployment Automation Tool

Python, C#, PowerShell, Jenkins

- Developed automation scripts for software deployment and validation
- Integrated with Jenkins for CI/CD pipeline automation; reduced manual effort by 40%

4. Maintenance Reporting Dashboard

Excel VBA, SQL Server, SAP-PM Integration

- Created automated reporting dashboard for maintenance tracking
- Integrated with SAP-PM for data extraction; improved reporting accuracy to 100%

EDUCATION

B.Tech in Electrical & Electronics Engineering

Seemnata Engineering College

Diploma in Electrical Engineering

Beharagora Polytechnic College

CERTIFICATIONS

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

ACHIEVEMENTS & AWARDS

- **INSTA Award** – Recognized for outstanding performance and project delivery
- **Performance Badge** – Awarded for consistent quality and timely delivery
- **Client Appreciation** – Recognized for excellent communication and problem resolution

KEY STRENGTHS

Programming & Development C# • ASP.NET Core • Python • SQL • REST APIs • MVC	DevOps & Cloud CI/CD Pipelines • Azure • Git • Jenkins • Automation	Database SQL Server • Stored Procedures • Query Writing • Data Analysis
Problem Solving Root Cause Analysis • Debugging • Troubleshooting • Optimization	Industrial Knowledge PLC/SCADA • Modbus • IEC 61850 • IoT • SAP-PM	Soft Skills Quick Learner • Team Player • Communication • Documentation