Sanjay Verma

Senior Software Engineer

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Skills

- **Programming Languages** : C#, Bash, Python, JavaScript, SQL, jQuery, Java
- **Libraries and Frameworks** : .NET Framework, Entity Framework, ADO , Blazor, .Net Core, OSINIT, Spring Boot, AI RAG AND AGENTS, AI FINE TUNING AND PROMPT ENGENERING, BLAZOR, ASP.NET WebForms, Web Services (SOAP & REST), Bootstrap
- **Tools** : Linux Debian & Fedora, Docker, Git, MSMQ, Bootstrap, MySQL, Sonar Cube, Team City, Wire Shark, Tor, Proxy Chains, CI/CD
- **Other Skills** : HTML, CSS

Projects

Experience

Senior Softwere Engineer
May 2025 - Present

Mobile programming llc
Gurgaon

- Design, develop, test, and deploy scalable and robust software solutions
- Lead code reviews, ensuring code quality, performance, and adherence to best practices
- Architect and implement modular, maintainable systems
- Troubleshoot, debug, and resolve complex technical issues
- Write and maintain technical documentation
- Optimize system performance, scalability, and security
- Mentor and guide junior developers and interns
- Collaborate with cross-functional teams (QA, DevOps, Product, UI/UX)
- Participate in agile/scrum processes (daily stand-ups, sprint planning, retrospectives)
- Provide technical leadership and decision-making in projects
- Stay up-to-date with emerging technologies
- Drive innovation through R&D, prototyping, and proof of concepts
- Share knowledge through internal talks, documentation, or blog posts

Software Developer (Backend)
Nov 2022 - Dec 2024

applied information inc., mohali

- Migrated legacy ASP.NET WebForms applications into Docker containers while maintaining functionality.
- Integrated and supported Web Services for global traffic camera monitoring through Glance Video Plus.
- Optimised infrastructure using Docker & Redis, improving deployment efficiency
- and enhancing system reliability by 80%.
- Upgraded to a Docker-based architecture, resulting in a 60% boost in speed and
- reliability.
- Migrated legacy .net Framework applications to Docker containers, preserving
- functionality while increasing performance.
- Developed Glance Video Plus, enabling seamless global traffic camera
- monitoring.
- Replaced MSMQ with a Redis-based PUB/SUB messaging queue, achieving 100%
- data delivery.
- Created an AI Redis Library for advanced AI-driven caching and querying
- mechanisms.
- Fixed Signboard DLL for Linux, improving cross-platform compatibility.
- Addressed datatype and error code issues in the Communication Engine.

Software Development Engineer (Backend)
Sep 2019 - Nov 2022

high alt info solutions

- Implemented energy consumption monitoring using P4 for a Dutch project,

- improving data accuracy.
- Developed a versatile data visualization system, enhancing insights with multiple
- graph types.

Designed a billing model based on consumption patterns, optimizing peak & offpeak cost calculations.

Achievements

Results-driven Senior Software Engineer & DevOps Engineer with 6+ years of
experience in designing and optimizing .NET, PHP, React applications, APIs,
Background Services, and AI Agents.
Expertise in DevOps, CI/CD, Docker, Kubernetes, Redis, Cloud Technologies (Azure)
and AI (RAG, AI Agents, Fine-tuning, Prompt Engineering). Proven track record of enhancing system reliability,
infrastructure optimization, and leading complex projects.
Seeking opportunities to apply my skills in scalable architectures, automation, and AIdriven applications.
enhancing system reliability, infrastructure optimization, and leading complex projects.
Seeking opportunities to apply my skills in scalable architectures, automation, and AIdriven applications.

Education

Woolf   2025
MS

Scaler   2025
Specialized in Software Development & Problem Solving

shobhit university   2013
Commerce in Business Organisation
B/Com

Other Notable Projects & Contributions

• ERP Maintenance: Managed Logic Enterprise, the primary accounting & billing
platform at Vaishali Enterprises.
• Redis Viewer Application: Built a WPF-based Redis key viewer & manager,
including connection management.
• Splitwise Group Management: Implemented group-based transaction
settlements & membership management.
• E-commerce Platform: Worked on Inventory Management and Order
Cancellation workflows.
• URL Shortener System: Built a Spring Boot-based URL shortener with H2
database.
• Custom Message Queue: Developed a Redis-based message queue, replacing
MSMQ with 100% reliable PUB/SUB delivery.
• Data Ingesters (GTFS Feed): Worked on large-scale data processing and
ingestion for public transport systems.
• Blackhat Badshah Free Enterprise Creative Commons: Personal initiative aimed
at open-source development.