

# **Mohit Sangwan**

**Dot Net Technology**  
**Principal Software Developer**

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## Profile Summary

**Principal Software Developer** with **10+ years of experience** in designing scalable web applications, APIs, and enterprise Healthcare IT solutions using .NET technologies. Proven expertise in leading cross-functional teams, integrating third-party systems and delivering projects across **5+ countries**. Skilled at translating complex business requirements into high-performance, maintainable systems.

### **Key Strengths:**

**Full-stack development:** C#, ASP.NET, .NET Core, Web API, SQL Server, SSRS, Telerik, third-party API integrations

**Business analysis**, requirement gathering, and client-facing collaboration

**Team leadership**, problem-solving, and end-to-end project delivery

Strong communication, analytical thinking, and **performance optimization**.

## Technical Skill

- **Languages** : C#, Core Java, C++, C
- **Databases** : SQL Server, PostgreSQL, MySQL, Microsoft Access.
- **Frameworks & Technologies** : ASP.NET (Web Forms & MVC), .NET CORE, Web API, Entity Framework, LINQ, RESTful Services, HTML, CSS, JavaScript, jQuery, **Basic proficiency in Typescript, React, and Angular for front-end development.**
- **Tools & Utilities** : Visual Studio, VS Code, MIRTH Connect (HL7), Postman, Fiddler, Swagger.
- **Version Control & DevOps**:Git, GitHub, CI/CD Pipelines (GitHub Actions / Azure DevOps), Automated Build & Deployment
- **Reporting Tools** : SSRS, Crystal Reports
- **UI Libraries & Components** : Telerik UI, Elegant Ribbon, Bootstrap.
- **Integrations & Interoperability** : PayStack, CCAvenue, Salucro, DHA APIs, QLM/MOPH Insurance APIs, HL7 Interfaces, SMS Gateways, HR & Payment APIs

## Key Achievements

- **Delivered healthcare IT solutions across 5+ countries**, integrating QLM, DHA, MOPH, payment gateways, SMS and HR APIs, ensuring compliance and seamless multi-region operations.
- **Built a scalable multi-tenant HIS for 15+ facilities**, achieving a **40% performance boost**, strict tenant isolation, automated workflows, and RBAC-based access with modular configurations.
- **Improved SQL performance** through indexing, partitioning, and multi-tenant query optimization.
- **Implemented an API orchestration layer** for clinical, billing, inventory, and claims integrations.
- **Standardized CI/CD pipelines**, enabling smooth, zero-downtime deployment across all tenants.
- **Trained 100+ users' on-site**, improving adoption and operational efficiency.
- **Managed national and international client engagements**, building long-term relationships and ensuring high satisfaction.

## Major Roles and Responsibilities

- **Software Development:** Designed and developed **scalable ASP.NET web applications with clean, maintainable, production-ready code**.
- **Performance Optimization:** Enhanced **system performance by optimizing SQL queries, reducing report generation time by 20%**.
- **SDLC Ownership:** Managed **full software lifecycle from requirements and design to deployment and post-production support**.
- **Collaboration:** Partnered with QA, product, and vendor teams to resolve issues, improve quality, and ensure robust testing.
- **Legacy System Modernization:** Implemented **enhancements, reusable tools, and user training** to boost adoption and efficiency.
- **Continuous Improvement:** Established **coding best practices, optimized deployment pipelines, and contributed to knowledge sharing for team productivity**.

## Strength and Competencies

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- **Technical & Analytical:** Strong problem-solving capability with a solid foundation in logical thinking, technical analysis, and hands-on execution.
- **Adaptability:** Quick learner with a proactive mindset, able to adapt to new technologies, domains, and challenges with resilience.
- **Collaboration:** Effective team player with strong interpersonal skills; open to feedback, supportive of peers, and committed to shared goals.
- **Communication:** Clear and confident communicator, skilled in presenting complex technical concepts in an understandable manner to both technical and non-technical stakeholders.

## Certifications & Education

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### Certifications

- Oracle Workforce Development Program (2020)
- Diploma in .NET Technologies (2012) | Score: 74%
- Java Programming (Java SE6) Certification (2014) | Score: 71%

### Education

- **MCA** Uttar Pradesh Technical University (2015)
- **BCA** Chaudhary Charan Singh University (2011)
- **Senior Secondary** CBSE Board (2008)
- **Secondary** CBSE Board (2006)

## Professional Experience and Project Details

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### **AKHIL SYSTEMS PRIVATE LTD** – Principal Software Developer

*March 2017 – Present*

- Leading design and development of enterprise Healthcare IT solutions and scalable database systems.
- Architected multi-tenant HIS and EMR systems for **100+ facilities** across India, UAE, Qatar, Oman, Nigeria, and Bangladesh.
- Integrated third-party systems including **DHA, QLM, PayStack, SMS/Email APIs, and insurance gateways**, improving compliance and reducing transaction times by **40%**.
- Mentored 4+ developers in agile practices, improving project delivery speed by **30%**.
- Automated patient registration, EMR, billing, and lab workflows, and reducing manual errors by **35%**.
- Led requirement gathering, system design, database programming, and user training for multi-location hospitals.
- Technologies: **C#, ASP.NET (WEB FORMS & MVC), .NET CORE, Web API, SQL Server, SSRS, XML, AJAX, Telerik, RESTFUL SERVICES.**

**Key Clients:** Clinic & Hospital (India, UAE, Qatar, Oman, Nigeria, Bangladesh),

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### **ADROS SYSTEMS PRIVATE LTD** – Software Developer

*February 2016 – March 2017*

- Developed **Gym Management System (Club 360)** for member tracking, attendance, and packages.
- Built **e-commerce platforms (StationeryRus, MapleCraft)** with cross-browser support and PayPal integration.
- Full-stack development of web and desktop applications in .NET with database design, SEO optimization, and third-party API integration (e.g., biometrics).
- Technologies: **.NET FRAMEWORK, SQL Server, CRYSTAL REPORTS.**