Muhammad Arslan Akram

Software Engineer

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Summary

Software Engineer with hands-on experience building scalable and secure web applications using C#, ASP.NET Core/Web API, Entity Framework Core, and SQL Server. Experienced in developing RESTful APIs, multi-tenant systems, database-driven applications, and clean, maintainable software architectures. Strong understanding of backend development, API integration, and object-oriented programming, with a focus on delivering reliable solutions and continuously improving technical skills.

Skills

Programming Languages: C#, SQL, JavaScript
Backend Technologies: ASP.NET Core, ASP.NET Web API, ASP.NET MVC, Entity Framework Core, CQRS, MediatR
Architecture & Development: RESTful APIs, Clean Architecture, Multi-Tenant Systems, OOP
Databases: Microsoft SQL Server, MySQL
Tools & Platforms: Visual Studio, VS Code, Git, GitHub, Postman, IIS

Experience

Associate Software Engineer (.NET) **January 2025 – December 2025**
Apex Sharp Technologies *Tools: Visual Studio, SQL Server, Postman, GitHub*

- Contributed to the development and maintenance of a scalable multi-tenant EHR system supporting multiple clinics within a single application instance.
- Developed and maintained 20+ RESTful APIs using ASP.NET Web API for patient records, appointments, prescriptions, and related healthcare operations.
- Worked with C#, Entity Framework Core, and SQL Server to implement backend functionality, database operations, and tenant-aware data access.
- Implemented new features, troubleshot issues, integrated APIs, and maintained clean and maintainable backend code.

.NET Intern **November 2024 – December 2024**
Apex Sharp Technologies *Tools: Visual Studio, SQL Server*

- Assisted in developing and maintaining web applications using C#, ASP.NET, and .NET Framework/Core.
- Collaborated with senior developers in debugging, code optimization, and performance improvements.

Projects

HealthDesk – Multi-Tenant Hospital Management System (SaaS)

- **Tech Stack:** ASP.NET Core MVC 8, Entity Framework Core, Clean Architecture, Bootstrap, SQL Server.
- Independently designed and developed a multi-tenant SaaS application for small clinics using a shared database architecture with secure tenant-level data isolation.
- Implemented dynamic tenant provisioning and global query filters to enforce secure tenant-aware data access.
- Developed real-time dashboards and an audit logging system for monitoring and compliance.
- **Live Demo:** https://healthdesk.bsite.net/

Education

Bachelor of Science in Computer Science **Graduated: 2024**
National Fertilizer Corporation (NFC) Institute of Engineering & Technology, Multan

Languages

- English
- Urdu