

Akshay Shakkarwar *Full Stack Developer [.Net | Angular 2+]*

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👤 PROFILE

Self motivated .Net Full Stack Developer with around 2+ years of experience in building and maintaining enterprise-grade applications. Proven ability to work independently and as part of a team to deliver high-quality products on time and within budget.

🔧 SKILL SETS

ASP.NET ⚡ Core, MVC, MVVM, WPF, OOPS, .NET Core, XML, C#, Design Patterns, Dependency Injection, Entity Framework Core, ADO.NET ⚡ , N-Hibernate, Web API, Restful API, Angular, TypeScript, HTML, CSS, JavaScript, SQL Server, MySQL, PostgreSQL, Visual Studio, VS Code, Git, TFS, Swagger, Azure, Teamwork, Communication, ProblemSolving, Docker, Unit Testing.

🧠 SKILLS

IDE Visual Studio 2022, VS Code, Monaco Editor	Languages C, C++, C#, JavaScript	Database SQL Server, Oracle 12, PostgreSQL, MySQL
Source Code Management TFS, Git, Jazz	Tools WordPress, Google Chrome[with Dev Tools], VMWare, IIS 6, Swagger	Framework .Net Core, Entity Framework, Angular 2+, KBmax (CPQ), WPF
Web Technology HTML, CSS, Bootstrap, JavaScript, Azure, AWS	Familier with Angular Material	ERM & CRM Salesforce, Oracle

📁 PROFESSIONAL EXPERIENCE

12/2022-Till date **Software Engineer**
Pune **IT-NetworkZ Infosystems Pvt Ltd.**

- **Team: "WorkFrorce", IT NetworkZ[Product - Healthfy]**
Healthfy manages a complete Hospital Information Management System (HIMS) for doctors, clinics, and hospitals in **Germany, the USA, and Canada**. The software helps save time by keeping prescriptions, bills, medication dosages, patient data, and documents in digital form. This allows doctors to focus on their main work.
- **User Interface Experience (UIX) Development with Product Owners:** Collaborated closely with product owners to develop and enhance the user interface experience (UIX). Ensured a seamless and intuitive user experience for customers by integrating their feedback and requirements into the software design.
- **Business Automation Solutions:** Developed solutions to support business automation, streamlining processes and increasing efficiency across various functions. This included identifying opportunities for automation and implementing effective strategies to improve overall productivity.
- **Development and Maintenance of European ERP Interface:** Played a key role in developing and maintaining the European ERP interface (ProAlpha). This included ensuring smooth integration and data flow between different systems, allowing for efficient and accurate management of business operations.
- **Integration Development (REST-APIs):** Developed integration solutions using REST APIs to connect various systems and applications. This work enabled seamless data exchange and improved interoperability between different software components.
- **Adherence to Code of Conduct:** Upholds the company's Code of Conduct and complies with all legal requirements and industry standards.
- **Addressing Inappropriate Behavior:** Does not tolerate inappropriate behavior and takes a stand against violations, reporting any observed issues in accordance with company policies.
- **Role:** Requirement analysis, design and implementation of new features, added new components.

WORK HISTORY

Application Development & Maintenance:

- Developed and maintained critical web and desktop applications for patient management, appointment scheduling, and medical records using C#, ASP.NET  Core, .NET Core, MVC, WPF, Entity Framework Core, and ADO.NET .
- Implemented modular, object-oriented designs (OOPS), significantly improving application maintainability.
- Enhanced user interfaces for patient records management, resulting in improved user satisfaction.

API Development & Integration:

- Designed and developed RESTful APIs and Web APIs to facilitate seamless integration between patient management systems and third-party healthcare services.
- Documented APIs using Swagger, streamlining integration processes and reducing development time for external partners.
- Implemented real-time data synchronization modules, improving data accuracy and availability for critical patient information. Used SignalR, WebSockets, and Webhooks.

Database Management & Optimization:

- Managed and optimized SQL Server, MySQL, and PostgreSQL databases, including writing efficient queries and performing ETL operations for patient data processing.
- Utilized Entity Framework Core and N-Hibernate for ORM, ensuring smooth database migrations.
- Improved query performance by 30% through indexing and query optimization.

Architectural Design & Implementation:

- Applied Clean Architecture principles and the MVVM design pattern in WPF applications, enhancing application maintainability.
- Leveraged Dependency Injection and other Design Patterns to improve code modularity, scalability, and testability.

Front-End Integration:

- Integrated Angular, TypeScript, HTML, CSS, and JavaScript with backend services, ensuring seamless user experience and maintaining ASP.NET  WebForms when required.

Cloud & DevOps:

- Deployed applications using Azure WebApps, VMs, Containers, and Docker, significantly reducing deployment time through CI/CD pipeline implementation. Used Git and TFS.
- Implemented monitoring tools to track application health, ensuring continuous delivery.

Security & Data Management:

- Implemented JWT and OAuth for authentication and authorization, ensuring secure access to sensitive medical information.
- Integrated file storage and management solutions using FTP, Dropbox, and SharePoint, improving document retrieval and handling efficiency.
- Implemented data encryption to secure patient data.

Innovation & Problem Solving:

- Implemented OCR technology for automated document processing, reducing manual effort by 50% and improving data extraction accuracy.
- Actively troubleshooted complex issues, collaborated with cross-functional teams, and adhered to best coding practices.
- Maintained clear and concise documentation for APIs and workflows.

Testing & Tools:

- Conducted unit testing and API testing with Postman, and performed debugging to ensure application stability. Used Visual Studio and VS Code.

PROJECTS

Finance Tracker :

Engineered an advanced Angular 13 and .NET Core application, seamlessly integrating Chart.js for dynamic and data-driven visualizations of financial portfolios.

2048 Game:

In C# Language with the implementation of Data Structure and Algorithms.

Day to Day Expense Tracking Website :

Implemented with Angular, .Net Core, and SQL Express with multiple components using 2-way data bindings storing data in local storage and Angular-Routing for a better experience and Lazy Loading for faster performance.

Nagpur University

Bachelor of Engineering *[First Class]*

[2017]