

Akash C

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Summary

Full Stack .NET Developer with 2+ years of experience building scalable web and mobile applications. Skilled in .NET Core, ASP.NET MVC, .NET MAUI, SQL Server, and JavaScript frameworks. Experienced in developing secure REST APIs, designing efficient databases, and delivering modern UI/UX. Successfully led end-to-end projects in healthcare, boosting operational efficiency by up to 55%. Strong team player in Agile environments, focused on clean code, innovation and performance-driven solutions.

Technical Skills

Programming Languages:

- C#, SQL, Java (basic), JavaScript, HTML, CSS

Frameworks & Libraries:

- .NET Core, .NET MVC, .NET MAUI, ASP.NET Razor Pages, ASP.NET MVC, Entity Framework (EF) Core, React, jQuery, Bootstrap

Databases:

- MySQL, SQL Server, Azure SQL Database (Free Tier)

Tools & Platforms:

- GitHub, Azure (Free Tier & basic cloud services), Razor Pages, Agile/Scrum, RESTful APIs

Other Skills / Concepts:

- Cloud Integration & API Development
- Cross-Platform Mobile Development (.NET MAUI)
- PDF Export & Document Management
- Data Binding, Model-Driven Forms, & Validation
- Secure Data Handling & HIPAA Compliance Awareness
- Frontend & Backend Architecture Design
- Component-Based Development (React)
- Testing & Debugging (Unit & Integration)
- Offline-First Application Design

Work Experience

Software Developer - Full Stack (.NET)

Aug 2023 – Present

Bandi Informatics (Client : Horizon Health Care)

Chennai, Tamilnadu

- Led the end-to-end development of scalable and secure web applications using .NET technologies including C#, ASP.NET MVC, .NET Core, and .NET MAUI, with a focus on maintainability, modularity, and performance.
- Engineered intuitive and responsive user interfaces with HTML5, CSS3, JavaScript, and jQuery, incorporating modern UI/UX principles and mobile-first design to ensure cross-device compatibility.
- Designed and implemented robust RESTful APIs using ASP.NET Core, enabling seamless communication between frontend and backend systems. Secured APIs with token-based authentication and role-based authorization.
- Architected, normalized, and optimized SQL Server databases. Developed stored procedures and performance-tuning strategies such as indexing, caching, and query optimization to improve data access speed.
- Practiced Agile software development, contributing to sprint planning, estimation, code reviews and continuous integration/delivery workflows. Collaborated with QA and DevOps teams for quality assurance and automated deployments.
- Emphasized clean coding standards, SOLID principles and modular architecture to ensure codebase scalability and maintainability.
- Conducted unit testing, integration testing and built automated scripts for regression scenarios.

Key Projects and Contributions:

Software Developer - Full Stack (.NET)

Aug 2023 – Present

Bandi Informatics (Client : Horizon Health Care)

Chennai, Tamilnadu

- Designed and implemented a cross-platform appointment booking system for a patient portal using .NET MAUI and ASP.NET MVC, enabling real-time slot scheduling and appointment history tracking. This led to a 25% decrease in scheduling errors, a 35% boost in booking efficiency and a 20% rise in patient self-service adoption.

- Engineered a dynamic, metadata-driven survey and intake form solution using ASP.NET MVC, C, Entity Framework, and MySQL to streamline patient data collection and feedback. Integrated Twilio to send personalized and secure SMS/email links for mobile access, ensuring HIPAA compliance. Automated status tracking and backend data syncing to enhance workflow efficiency and data security.
- Developed a secure medical record management system using ASP.NET MVC, C, Entity Framework, and MySQL, allowing medical personnel to upload and manage sensitive patient documents. Implemented encrypted file storage and secure file access. Integrated Twilio-based email notifications with encrypted download links triggered upon payment confirmation, maintaining full HIPAA compliance.
- Developed a LAN-based internal communication tool using .NET MVC, enabling secure, real-time messaging between staff and administrators. Implemented features such as message logging and user presence detection to enhance collaboration and accountability.
- Developed a real-time float pool shift management system using .NET MVC, optimizing support staff allocation based on availability and qualifications resulting in 55% improvement in scheduling efficiency and reduced shift gaps in hospital operations.
- Designed and developed a Chrome Extension version of the desktop widget to provide real-time access to patient data directly within the browser. Integrated Tesseract.js OCR for instant scanning of patient barcodes and documents. Connected to secure APIs to enable real-time lookups, appointment status checks, and history access. Enhanced usability with a clean, minimal interface and one-click data retrieval for faster, more efficient workflows.
- Engineered a .NET WinForms desktop application that delivered real-time pop-up alerts and patient information snapshots, enhancing front-desk responsiveness and reducing reliance on browser-based systems.
- Developed a comprehensive Razor Pages medical history form in ASP.NET Core, capturing patient medical, personal, family, allergy, and immunization information. Implemented structured data binding, validation, and a user-friendly interface to streamline data entry, improve accuracy, and support future integration with electronic health record systems.
- Migrated a legacy .NET + PHP medical history platform to a modern React + .NET architecture, building dynamic patient intake forms with reusable React components, seamless API integration, model binding, and client/server-side validations. Enhanced user experience with an intuitive UI and ensured secure handling of sensitive patient data for efficient healthcare record management.

Portfolio

- Built a cross-platform running app using .NET MAUI, generating personalized 5K, 10K, Half, and Full Marathon plans based on goals, skill level, and user metrics. Integrated Azure SQL Database (free tier) for secure, cloud-based workout log tracking, with local MySQL for offline-first data persistence. Enabled PDF plan export via Syncfusion, adaptive plan logic, and scalable user onboarding with seamless data synchronization.
- Developed a personal portfolio website using React.js, showcasing web development projects, technical skills, and professional experience. Integrated dynamic routing, responsive design with CSS Flexbox, and optimized performance for seamless user experience. Deployed on GitHub Pages for fast, free hosting, demonstrating proficiency in modern web development practices and tools.

Education

- SRM Institute of Science and Technology
Master of Computer Application / Percentage : 83% Kattankulathur, TamilNadu
Sept 2021 – May 2023
- Guru Nanak College
Bachelor of Computer Science / Percentage - 84% Chennai, TamilNadu
June 2018 - May 2021