Abhinav Reddy Maram

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PROFESSIONAL SUMMARY

Full Stack Developer with 2+ years hands-on experience building responsive, secure, and maintainable web applications using C#, .NET Core, SQL Server, and Angular. Proven track record of designing and implementing RESTful APIs, optimizing backend performance with LINQ and Entity Framework, and creating dynamic front-end components with modern JavaScript frameworks. Skilled in the full software development lifecycle—from requirement analysis and coding to testing, debugging, and deployment—using Agile and DevOps methodologies. Adept at problem-solving, collaborating with cross-functional teams, and translating complex requirements into clean, scalable solutions. Passionate about writing high-quality code and continuously improving systems to deliver value-driven software in production environments.

EDUCATION

Pace University, New York, USA　　　　　　　　　　　　　　　　　　　　　**Jan 2022 - May 2023**
Masters, Information Systems　　　　　　　*GPA: 3.8*

Cardiff Metropolitan University, Cardiff, UK　　　　　　　　　　　　　　　**Jan 2020 - Nov 2021**
Masters, Computer Science　　　　　　　*GPA: 3.6*

Jawaharlal Nehru Technological University, Hyderabad, India　　　　　　　**Aug 2015 - May 2019**
Bachelor of Technology, Computer Science　　　　　　　*GPA: 3.0*

PROFESSIONAL EXPERIENCE

Regions Bank　　　　　　　　　　　　　　　　　　　　　　　　　　　　**Jul 2023 - Present**
Full Stack .NET Developer　　　　　　　　　　　　　　　　　　　　　　*Salt Lake City - Utah*

- Designed, developed, and maintained full stack web applications by utilizing Angular for dynamic front-end components and ASP.NET Core for robust backend services, ensuring efficient application functionality.
- Developed scalable and maintainable backend services using C# and .NET Core, creating RESTful APIs that supported complex business workflows and improved system interoperability.
- Developed and maintained the "Regions Contractor SalesPro" hybrid mobile app using Angular and Capacitor, delivering platform-agnostic functionality for both Android and iOS devices to support contractor-based loan applications.
- Engineered and consumed RESTful APIs using ASP.NET Core Web API to facilitate seamless communication between front-end and backend systems, enhancing data exchange efficiency.
- Leveraged asynchronous programming patterns and dependency injection in .NET Core to optimize application performance, reduce response times, and simplify unit testing.
- Developed scalable GraphQL APIs using Apollo Server with Node.js, implementing resolvers and schema stitching to support complex nested queries and mutations.
- Applied efficient data structures, algorithms, and object-oriented design principles, using patterns like Repository and Singleton to develop scalable .NET Core APIs that handled millions of records with sub-second response times.
- Integrated Angular with ASP.NET Core via HTTP client services to dynamically fetch and present data, bolstering front-end responsiveness and interactive user experience.
- Architected scalable front-end solutions using Angular modules, components, directives, and services, laying the foundation for easier maintenance and feature expansion.
- Developed responsive and accessible web interfaces using HTML5, CSS3, Tailwind CSS, and Bootstrap within Angular, ensuring cross-browser compatibility and mobile-first design.
- Collaborated closely with UX designers to translate Figma wireframes into pixel-perfect, responsive Angular components, ensuring design consistency and intuitive user flows.
- Applied core UI/UX principles such as visual hierarchy, whitespace, and interaction feedback to enhance usability and reduce friction across customer journeys.
- Implemented dynamic, component-driven functionality using JavaScript and TypeScript in Angular to deliver rich and interactive user experiences.
- Created modular and reusable UI components leveraging semantic HTML5, utility-first Tailwind classes, and Bootstrap components, enhancing scalability and design consistency.
- Built rich, single-page experiences with AJAX calls (via Angular HTTP Client / fetch) to pull loan-eligibility data on demand, cutting page-to-page round-trips.
- Enhanced legacy .NET MVC applications by implementing dynamic UI interactions using jQuery and AJAX, improving form responsiveness and reducing page reloads by 40%.

- Designed and versioned JSON payload contracts for 10+ REST endpoints, enabling forward-compatible integrations and reducing breaking-change incidents to zero over two release cycles.
- Developed secure login, authentication, and authorization protocols using JWT and ASP.NET Core Identity to reinforce application security and protect user data.
- Developed hybrid mobile apps using Angular combined with Capacitor, enabling seamless deployment on iOS and Android platforms without losing web app responsiveness.
- Upgraded Angular applications from version 14 to Angular 18, improving interface responsiveness and overall performance.
- Managed deployment and hosting through Azure App Services and maintained backend data storage using Azure SQL Database, ensuring stable and scalable performance.
- Designed software using principles of Domain-Driven Design (DDD) and patterns such as CQRS and Repository.
- Produced and consumed industry-standard XML (ISO 20022, OFX) feeds for payment-rail partners; used XSD-first validation and LINQ-to-XML to catch schema drift at compile time.
- Wrote efficient backfill scripts to populate and synchronize missing or outdated data across production databases, ensuring data integrity and consistency.
- Wrote optimized LINQ-to-Entities queries with EF Core, leveraging projections and filtering to reduce SQL round-trips and improve API performance in high-traffic environments.
- Built scalable backend services using Node.js and Express, handling RESTful API requests and integrating with relational databases.
- Gained working knowledge of Windows Communication Foundation (WCF) for maintaining legacy SOAP-based services and integrating them with modern .NET Core APIs.
- Optimized SQL queries, stored procedures, and overall database performance to accelerate data retrieval and support system scalability.
- Integrated and maintained message-based communication using Azure Service Bus to enable decoupled, event-driven architecture between microservices, enhancing system flexibility and reliability.
- Implemented logging with Azure Application Insights, ensuring consistent monitoring and diagnostics across the application.
- Used Azure Application Insights data to triage and resolve production bugs efficiently, improving system stability and reducing downtime.
- Assisted in containerizing services using Docker and deploying to Kubernetes clusters for improved scalability and orchestration.
- Worked with Apollo GraphQL to experiment with simplified data-fetching logic and optimize frontend-backend communication patterns.
- Collaborated in Agile ceremonies including daily stand-ups, sprint planning, and retrospectives, while actively contributing to Jira stories and maintaining documentation in Confluence, resulting in improved team collaboration and efficient project delivery.
- Streamlined source code management through thorough code reviews and CI/CD pipeline configuration using Azure DevOps, ensuring smooth deployment processes.
- Utilized Visual Studio and VS Code with integrated debugger to trace and resolve complex runtime issues, improving application stability and performance.
- Used Git, GitHub, and Bitbucket daily for source control, including branching, pull requests, and conflict resolution, which facilitated seamless collaboration in an Agile team setup.
- Used feature flags and logging to monitor adoption and performance of new features across environments.
- Maintained up-to-date technical documentation in Confluence covering module design, onboarding, and CI/CD pipelines.
- Leveraged Postman and Swagger for API testing and validation during backend service integration, ensuring reliable and efficient API performance.
- Automated regression tests for chart rendering (Highcharts image snapshots via Cypress) and API responses (xUnit + Shouldly), driving 95 % coverage on critical analytics flows.
- Used Jira, Azure Boards, and Notion for sprint planning, tracking tasks, and documenting sprint retrospectives and tech designs.
- Executed comprehensive unit testing using XUnit for backend components and Jasmine, Karma, and Cypress for Angular front-end elements to uphold high code quality.
- Implemented robust exception handling, logging, and error management practices to proactively resolve software issues and minimize downtime.

ACADEMIC PROJECTS

Personal Finance Tracker

Pace University – Master's in Information Systems

Tech Stack: React, Redux Toolkit, Recharts, Tailwind CSS, Jest, .NET Core Web API, SQL Server, EF Core
- Built a full-stack web app enabling users to track expenses, budgets, and savings goals with authentication.
- Designed reusable React components and implemented Redux for global state management.
- Integrated Recharts to visualize spend vs budget and transaction trends.

• Created secure APIs with ASP.NET Core and used LINQ with EF Core for real-time data aggregation.
• Wrote unit tests using Jest and React Testing Library to ensure frontend reliability.

Campus Resource Booking System
Cardiff Metropolitan University – Master's in Advanced Computer Science
Tech Stack: Angular, NgRx, Angular Router, Bootstrap, .NET Core Web API, SQL Server, EF Core
   • Developed a system to reserve labs, rooms, or equipment with real-time availability checks.
   • Implemented user authentication, calendar views, and conflict prevention logic using Angular services and reactive forms.
   • Developed REST APIs using ASP.NET Core and wrote complex LINQ queries to manage availability.
   • Used Angular Router for dynamic navigation and secured route access based on user roles.

Student Internship Portal
Jawaharlal Nehru Technological University – Bachelor of Technology
Tech Stack: React, React Hook Form, Bootstrap, .NET MVC, SQL Server
   • Built a portal for students to apply for internships and companies to post opportunities.
   • Developed dynamic forms using React Hook Form and managed validation states efficiently.
   • Created server-side logic in ASP.NET MVC for application processing and admin approval.
   • Designed relational database tables and queries in SQL Server to track student and employer interactions.

TECHNICAL SKILLS

•**Programming Languages**: C#, JavaScript, TypeScript, HTML5, CSS3, SQL
•**Web Technologies**: ASP.NET Core, ASP.NET MVC, Angular, React, Web API, RESTful Services, AJAX, JSON, XML, jQuery
•**Databases**: SQL Server, MySQL
•**Frameworks / Libraries**: Angular 18+, RxJS, NgRx, Capacitor, Tailwind CSS, Highcharts, Entity Framework Core, Apollo GraphQL, Node.js, LINQ, React, Redux Toolkit, React Router, React Hook Form, Recharts
•**CMS/UX**: Familiar with Adobe Experience Manager (AEM), Figma, UI/UX Design Principles
•**Cloud & Messaging**: Azure App Services, Azure SQL Database, Azure Service Bus, Azure Application Insights, Azure DevOps, Azure Functions, Kubernetes
•**Version Control**: Git, GitHub, Azure DevOps
•**Tools & IDEs**: Visual Studio, Visual Studio Code, SQL Server Management Studio, TeamCity, Octopus Deploy, Postman
•**Testing**: XUnit, Jasmine, Karma, Cypress, Unit Testing