Abhinav Reddy Maram

9175152806 | maramabhi2309@outlook.com | LinkedIn | Github | Portfolio

PROFESSIONAL SUMMARY

Results-driven Full Stack Developer with 2+ years of hands-on experience delivering scalable, secure, and intuitive web applications. Highly proficient in developing dynamic frontend interfaces using Angular, React, Tailwind CSS, JavaScript and TypeScript, with a strong focus on responsive design, accessibility, and UX/UI best practices. Skilled in backend development using C#, ASP.NET Core, Node.js, and designing RESTful and GraphQL APIs to support complex business logic. Solid experience with relational databases (SQL Server) and ORM tools like Entity Framework Core for performant data access.

Experienced in leveraging cloud platforms including Azure (App Services, SQL, Service Bus, Functions, Application Insights) to build resilient and observable applications. Familiar with AWS fundamentals and containerized deployments using Docker and Kubernetes. Adept at collaborating within Agile/Scrum teams, participating in sprints, code reviews, and CI/CD pipelines using tools like Azure DevOps and Git. Known for strong problem-solving, clear communication, and eagerness to learn emerging technologies and industry best practices. Passionate about building impactful solutions with clean, maintainable code and delivering user-centric experiences that drive business value.

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 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