

Summary

- 4+ years of experience in full-stack software development, specializing in backend systems with .NET technologies and building dynamic, modern UIs using AngularJS and ReactJS.
- Expert in building scalable, domain-driven microservices using **.NET 6+**, C#, and ASP.NET Core with clean architecture, vertical slice patterns, and CQRS design principles.
- Proficient in **Angular 2+** development, utilizing components, modules, services, directives, pipes, dependency injection, routing, promises, RxJS observables, HTTP interceptors, form validation (template-driven and reactive), lifecycle hooks, and state management patterns to deliver robust single-page applications.
- Experienced in **ReactJS** development, using functional/class components, hooks (useState, useEffect, useContext, useReducer), Context API, React Router, Redux, custom hooks, and performance optimizations like memoization and lazy loading.
- Strong backend expertise with Entity Framework Core, Dapper, **SQL Server 2019/2022**, PostgreSQL, and NoSQL databases like MongoDB and Redis, applying repository and unit of work patterns for clean data access layers.
- Well-versed in secure authentication & authorization, implementing OAuth 2.0, **JWT**, and Azure Entra ID (Azure AD) with role-based access control (RBAC) and centralized policy enforcement.
- Hands-on Azure development experience, including deploying services to **Azure** App Services, configuring Azure Functions, using Azure Storage, Key Vault, Application Insights, Azure SQL, and integrating with Azure Active Directory and Azure DevOps for secure and scalable cloud solutions.
- DevOps proficiency with **CI/CD** pipeline implementation using Azure DevOps, Docker-based containerization, version control with Git, and performance monitoring using Azure Application Insights and SQL profiling.
- Skilled in API development, middleware customization, and integrating third-party services such as SignalR for real-time updates and SendGrid for transactional email delivery.
- Proponent of clean code and testing practices, applying TDD using **MSTest**, xUnit, NUnit, and mocking tools like Moq to ensure maintainable and reliable code.
- Containerization and orchestration experience with **Docker**, and foundational knowledge of Kubernetes (K8s) for deploying and managing scalable cloud-native applications.
- Collaborative team player in **Agile/Scrum** environments, using tools such as Jira, Git, Visual Studio, VS Code, and JetBrains Rider to deliver high-quality, on-time software releases in enterprise settings.

Skills

- Programming languages: C#, JavaScript, TypeScript, Python
- Frameworks and libraries: ASP.NET Core, ASP.NET MVC, .NET 6+, Entity Framework, REST API, ReactJS, AngularJS, Serilog, and Fluent Validations
- Web technologies: HTML5, CSS3, Tailwind CSS, JSON
- Database management: SQL Server, PostgreSQL, MongoDB
- Testing tools: MS Test, xUnit, Postman
- Development tools: Visual Studio, JetBrains Rider, Git, Azure DevOps
- Software practices: object-oriented programming, test-driven development, SOLID principles
- Design patterns: repository pattern, dependency injection, microservices, distributed systems
- Agile methodologies: Scrum

Experience

Antra, Inc

.NET Developer

April 2025 to Present

Sterling, VA

- Architected scalable backend services using .NET 8, C#, and ASP.NET Core, applying microservices architecture, domain-driven design, and clean architecture principles.
- Built dynamic single-page applications (SPAs) using AngularJS with core features like two-way data binding, custom directives, and \$http services—improving user responsiveness and reducing page reloads by 50%.
- Designed modular front-end architecture using controllers, factories, and dependency injection; implemented routing with ngRoute to streamline navigation and increase maintainability across multiple views.
- Implemented secure JWT-based authentication with Azure Entra ID, enabling enterprise-grade SSO, and role-based access control (RBAC).
- Used Entity Framework Core, SQL Server, and the repository pattern to build a robust data access layer, with support for analytics and reporting.

- Deployed containerized microservices using Docker to Azure Kubernetes Service (AKS) for scalable, cloud-native application hosting.
- Leveraged Azure services, including Azure Key Vault (secrets management), Azure Service Bus (asynchronous messaging), and Azure Blob Storage (document handling).
- Integrated tools like MediatR, FluentValidation, and AutoMapper for clean code practices and maintainability across the codebase.
- Orchestrated CI/CD pipelines with Azure DevOps, enabling automated testing, builds, and zero-downtime deployments to multiple environments.

Florida Atlantic University

July 2024 to December 2024

IT Support

Boca Raton, FL

- Worked on the Employee Help Desk Platform, an enterprise-level internal system that enables employees to raise, track, and manage technical support tickets across global locations. Key backend modules included Ticket Lifecycle Management, User Access and Authorization, SLA Management, and Notifications and Alerts.
- Designed and implemented JWT-based authentication and role-based access control, aligning with enterprise security policies, and improving user access governance.
- Revamped the user interface using ReactJS and TailwindCSS, resulting in improved performance, responsiveness, and user satisfaction, based on internal feedback.
- Built and integrated ASP.NET Core middleware for global exception handling and request logging; leveraged Serilog for structured, centralized log management.
- Developed robust unit tests using NUnit and Moq, significantly increasing code coverage and reducing regression during deployments.
- Created scalable ASP.NET Core Web APIs using Controllers, Services, and Repositories; implemented data access and business logic using EF Core and LINQ for efficient DB operations.
- Developed custom authorization handlers and reusable middleware in .NET, centralizing security logic across multiple application layers.
- Collaborated with DevOps to containerize services using Docker and implement CI/CD pipelines with Azure DevOps, accelerating deployment cycles by approximately 40%.

Tata Consultancy Services

April 2021 to May 2024

.NET Developer

Chennai, India

- Part of a critical migration for a leading U.S. airline, transitioning legacy applications to .NET and cloud infrastructure, resulting in a highly scalable, secure, and high-performing system capable of supporting peak travel demands.
- Improved API responsiveness by optimizing PostgreSQL stored procedures and introducing caching, delivering faster booking and search experiences for thousands of daily users.
- Cut deployment time significantly by designing CI/CD pipelines, enabling seamless, automated releases and maintaining code quality across frequent updates.
- Accelerated development by migrating legacy ASP.NET projects to cloud-native .NET Core apps, integrating modern architecture and compatibility with React and Angular front-ends.
- Designed microservices-based .NET Core 6+ applications, enabling the system to handle over 100,000 concurrent users with minimal downtime during high-traffic periods.
- Enhanced website load times using advanced optimization techniques, reducing latency and retaining users during critical booking flows.
- Reworked legacy code with object-oriented principles and Dependency Injection, creating a cleaner, more maintainable codebase without sacrificing functionality.
- Minimized vulnerabilities by implementing CSRF protection, action filters, and industry-standard security practices, ensuring compliance with cybersecurity regulations.
- Slashed bug reports through comprehensive automated testing with MS Test and XUnit, improving application stability and user trust.

Education

Florida Atlantic University

Boca Raton, FL

Master of Science: Computer Science

Jawaharlal Nehru Technological University Hyderabad

Hyderabad, India

Bachelor of Technology: Computer Science and Engineering

Projects - StudentPerks - <https://studentperks.netlify.app>

- **Modern Frontend with Scalable Architecture:** The website is built as a responsive, single-page application (SPA) using modern web technologies, ensuring a seamless user experience across devices. Its modular structure allows for easy scaling and future feature integration.
- **Secure & Efficient .NET Backend:** The backend, developed in ASP.NET Core, follows industry best practices with RESTful APIs, secure authentication mechanisms, and optimized data handling, providing fast and reliable performance under load.
- **Role-Based Access & Data Management:** The backend supports role-based authorization (e.g., students, admins, vendors), enabling customized views and access control. This ensures data integrity and enhances platform security.
- **Integration with External APIs and Services:** It includes seamless integration with third-party services (such as coupon validation, analytics, or email systems), demonstrating strong API management and asynchronous communication skills using .NET middleware.
- **Robust Database Design with Entity Framework:** Utilizing Entity Framework Core, the backend supports efficient CRUD operations and LINQ queries, along with migrations and code-first development, ensuring maintainable and scalable data models.