SAI DEEPAK BHOOMI

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SUMMARY:

Software Engineer with 6 years of experience in full-stack development, cloud computing, and scalable architectures using C#, ASP.NET Core, .NET MVC, and Razor Pages. Proficient in Angular, React.js, TypeScript, and backend integrations with REST APIs, SQL Server, PostgreSQL, Entity Framework, and Dapper. Skilled in cloud platforms (AWS, Azure), containerization (Docker, Kubernetes), and CI/CD automation (GitHub Actions, Jenkins, Azure DevOps). Experienced in unit/integration testing (xUnit, Moq, Postman) and security implementations (OAuth 2.0, JWT, ASP.NET Core Identity).

EXPERIENCE:

Brick Bridge Consulting   **May 2024 – Present**
Software Engineer   **Louisville, USA**

- Developed and optimized a high-performance SaaS web application using Angular 18+, C#, and ASP.NET Core (.NET 8), improving load times by 40% and reducing API response time by 30%.
- Designed, containerized, and deployed scalable applications on Azure (App Service, Functions, SQL Database, Application Insights) using Docker and Kubernetes, reducing infrastructure costs by 25% while maintaining 99.9% uptime.
- Built and automated CI/CD pipelines using Azure DevOps (Pipelines, Repos, Artifacts, Release Management), enabling zero-downtime deployments across staging and production environments.
- Implemented .NET Core Identity with RBAC and secure authentication, enhanced with Microsoft Visual Studio Access Management and protected API layers.
- Improved code quality and security through unit/integration testing (xUnit, NUnit, Swagger, Postman), SonarQube analysis, and continuous quality assurance practices.
- Worked in an Agile Scrum environment using Jira for sprint planning and issue tracking, Git/Azure Repos for the version control system, and collaborated with cross-functional teams including QA and DevOps to accelerate delivery by 35%.

University of Louisville   **Aug 2023 – Present**
Graduate Assistant   **Louisville, USA**

- Developed responsive, mobile-first web pages using HTML, CSS, JavaScript, jQuery, AJAX, and Bootstrap, improving UI performance by 35% and ensuring 99% cross-browser compatibility.
- Designed C# .NET Core backend APIs with Entity Framework (ORM) and LINQ, optimizing data retrieval and enhancing business logic scalability within the SDLC process.
- Implemented React.js and jQuery for dynamic content updates, reducing page reloads and improving client-side performance with efficient JSON-based API communication.
- Utilized Azure Data Studio for connecting to development environments and writing MS SQL queries, optimizing database operations, and improving query efficiency.
- Deployed applications on Vercel/Netlify, integrated JWT authentication, and managed source code, reducing deployment errors and streamlining SDLC workflows.

Detect Technologies   **Jun 2020 - Aug 2023**
Software Engineer

- Developed C#, ASP.NET Core, and .NET MVC applications using Razor Pages in Visual Studio, building dynamic, server-side views, optimizing PostgreSQL data handling, and enhancing compliance by 10x for warehouse management systems.
- Built scalable cloud infrastructure on AWS, improving system reliability and securing seamless API integrations for SaaS applications in logistics and manufacturing.
- Implemented Repository Pattern, Clean Architecture, and SOLID Principles to structure Models, Views, and Controllers (MVC) for better maintainability and scalability.
- Developed and tested ASP.NET Core APIs with unit testing, xUnit, Moq, and Fluent Assertions, ensuring robust backend logic and reducing production defects by 40%.
- Designed and integrated ASP.NET Core Identity with Razor-based authentication views and JWT OAuth 2.0, enhancing security and access control.
- Automated CI/CD pipelines using GitHub Actions, Jenkins, and AWS Code Pipeline, reducing deployment failures by 80% and accelerating releases.

SKILLS

- **Programming Languages:** C#, Python.
- **Frontend Development:** Angular, React.js, JavaScript, HTML5, CSS3, Bootstrap, TypeScript, jQuery, AJAX.
- **Backend Development:** ASP.NET Core, .NET MVC, Razor Pages, Entity Framework, Dapper.
- **Database Management:** Microsoft SQL Server, PostgreSQL, MySQL, MongoDB, T-SQL, Stored Procedures.
- **API Development & Testing:** RESTful API, Swagger UI, Postman, xUnit, Moq, Fluent Assertions.
- **DevOps & Deployment Technologies:** Docker, Kubernetes, Azure (App Services, Functions, SQL Database).
- **Continuous Integration & Delivery:** GitHub Actions, GitLab, Git, AWS Code Pipeline, Jenkins.
- **Security Implementations:** OAuth 2.0, JWT Authentication, ASP.NET Core Identity, Data Encryption.

EDUCATION

University of Louisville
Master's in Computer Science