**BHAVYA KODURU**

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**EDUCATION**

**California State University, San Bernardino** San Bernardino**,** CA

Masters in Computer Science and Engineering Aug 2022 – May 2024

**Gitam University, Bangalore** Bangalore, India

Bachelor of Technology in Computer Science and Engineering July 2017 – June 2021

**SUMMARY**

* 3+ years of experience as a Full Stack Developer, specializing in C#, ASP.NET Core, and Angular (versions 2+).
* Proficient in designing and developing scalable web applications using .NET Core, TypeScript, HTML5, and CSS3.
* Expertise in building and consuming RESTful APIs, ensuring high-performance communication between distributed systems.
* Strong experience in SQL Server, writing complex queries, and optimizing database performance.
* Skilled in CI/CD pipelines using Azure DevOps and Bitbucket for automated deployments.
* Familiarity with Agile methodologies, version control systems (Git, GitHub), and unit testing practices.

**TECHNICAL SKILLS**

**Frontend Technologies:** Angular (v2+), HTML5, CSS3, Bootstrap

**Programming Languages:** C#, SQL
**Frameworks:** .NET Core, .NET Framework, ASP.NET, Entity Framework, LINQ
**Cloud Services:** Microsoft Azure, AWS (including services like EC2, Lambda, RDS, S3)
**Databases:** SQL Server, PostgreSQL, Entity Framework
**CI/CD & DevOps:** Azure DevOps, Bitbucket
**Web Services & APIs:** RESTful, API Development
**Development Practices:** Agile Methodology, Version Control with Git/GitHub, Automated Testing, Unit Testing

**EXPERIENCE**

**Cognizant
Software Developer
Duration: JUNE 2021– AUG 2022**

* Technology Expertise: ASP.NET Core (MVC), C#, Entity Framework, LINQ, WinForms, SharePoint Web Services.
* Designed and implemented RESTful APIs for seamless communication between the frontend (Angular) and backend (.NET Core) services.
* Spearheaded the development of a comprehensive e-commerce portal for Bio-Techne, utilizing ASP.NET Core MVC to enhance user experience through features like a cart management system and reusable components.
* Enhanced the DMT Tool, a .NET desktop application, by implementing advanced SharePoint Web Services to streamline document migration processes and resolve existing bugs, delivering high-quality, maintainable code.
* Collaborated with cross-functional teams to analyze business requirements, ensuring alignment with client objectives, and proactively identified opportunities for application improvements.
* Delivered projects on time within an Agile framework, contributing to increased project efficiency and client satisfaction.

 **Project#1: Search & Recommendation**
**Role:** .NET Developer
**Environment:** ASP.NET Core MVC, C#, Entity Framework, LINQ
**Duration:** 1 year

* Involved in the development of an e-commerce portal for Bio-Techne using ASP.NET Core MVC, enabling users to browse, compare, and purchase medical products and pharmaceuticals.
* Designed and implemented a cart management system to enhance user interaction and improve the overall shopping experience.
* Utilized Entity Framework and LINQ for efficient database management and data retrieval.
* Collaborated with stakeholders to analyze business requirements, ensuring alignment with client goals, and proactively identified opportunities for feature improvements.
* Developed reusable components and modules, optimizing the application architecture and ensuring scalability.
* Delivered high-quality, maintainable code in an Agile development environment, adhering to best practices and CI/CD workflows.

**Project#2: DMT Tool**
**Role:** .NET Developer
**Environment:** .NET Framework, WinForms, C#, SharePoint Web Services
**Duration:** 3 months

* Enhanced the Data Migration Tool (DMT) using WinForms and .NET Framework, improving the document migration process for a SharePoint-based system.
* Analyzed the application’s existing functionalities and implemented advanced SharePoint Web Services to resolve bugs and optimize system performance.
* Applied C# for developing new features and improving the application’s metadata management and document upload processes.
* Delivered enhancements with a focus on code quality, ensuring a bug-free and robust application that met all functional and technical requirements.

**FREELANCE PROJECTS**

**Online Restaurant System Development**

**Duration:** Sep 2023 – April 2024

* Developed a full-featured Online Restaurant System using ASP.NET Core MVC, Entity Framework Code First, and SQL Server, allowing customers to browse menus, place orders, and track deliveries.
* Designed the database schema and integrated CRUD operations to manage menu items, orders, and customer data.
* Implemented an application-level shopping cart system for seamless order management and user experience.
* Added user authentication and authorization for personalized services, including order tracking and management.
* Deployed the application on Azure, ensuring scalability and high availability, and conducted thorough testing to guarantee system performance.

**Library Management System Development**

**Duration:** Nov 2022 – Jun 2023

* Developed a full-stack Library Management System using ASP.NET, C#, Entity Framework, and SQL Server, enabling efficient book tracking, borrowing, and returning.
* Designed a responsive UI using HTML5, CSS3, and Bootstrap, enhancing user experience.
* Implemented REST APIs for efficient client-server communication.
* Designed and implemented the database using Entity Framework Code First, managing books, users, and transaction records.
* Built a responsive front-end interface using HTML, CSS, JavaScript, and Bootstrap, providing a user-ssfriendly experience for managing library operations.
* Integrated role-based authentication and authorization, ensuring secure access for librarians and users.
* Deployed the system on a cloud server for real-time use, optimizing performance and reliability through testing and debugging.

**INTERNSHIP**

**Trainity
Role:** Software Intern **Duration:** December 2020 – May 2021

* Technology Expertise: ASP.NET Core, C#, SQL Server, Entity Framework, Azure DevOps.
* Developed and deployed scalable applications using ASP.NET Core and C#, ensuring adherence to best design practices.
* Designed and optimized SQL Server database schemas and utilized Entity Framework for seamless data management.
* Automated CI/CD pipelines with Azure DevOps, streamlining deployment processes.
* Built RESTful web services to enable robust and scalable communication across systems.
* Participated in Agile workflows, contributing to sprint planning and retrospectives.
* Improved application performance by debugging, resolving issues, and implementing scalable solutions.