Sreebharath

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SUMMARY

Accomplished Software Engineer with over 7 years of experience in software development and software engineering, specializing in .NET technologies, cloud services, and mobile web applications. Achieved a 10% reduction in load times through advanced Angular and TypeScript implementation while enhancing scalability with modular MVC and Microservices architectures. Successfully integrated Azure and AWS cloud solutions, improving server response times and creating new revenue streams through optimized infrastructure costs for various software projects.

PROFESSIONAL EXPERIENCE

Full Stack Developer   Jan '23 — Present
Epoca International   United States

- Led the implementation of front-end solutions with Angular and TypeScript for modular software projects, achieving a 10% reduction in load times and enhancing mobile user interaction performance on edge devices.
- Developed and implemented scalable C#/.NET Web APIs and software modules, enhancing data processing efficiency and database management by optimizing workflow integration for revenue streams.
- Streamlined the development process by automating dependency management and build processes with NPM, resulting in a more efficient development workflow and 15% reduction in package maintenance time.
- Designed and implemented responsive web interfaces utilizing Angular, Bootstrap, JavaScript, and CSS3, ensuring consistent cross-browser functionality and improving user experience.
- Implemented top design patterns, Sync Await, Dependency Injection, and Layered Architecture for building scalable and maintainable applications.
- Developed and optimized RESTful APIs to facilitate seamless data transactions, boosting system interoperability by 20% across multiple applications.

Software Developer   Apr '22 — Dec '22
Northwest Missouri State University   United States

- Designed and developed applications using .NET Core, React JS, and MySQL for database management, improving student data processing efficiency and creating technical writing documentation.
- Led the development of the Textbook Management System, utilizing CRON jobs for automating updates and integrating source code management, which reduced manual data entry tasks by 30%.
- Collaborated with a cross-functional team on software engineering projects and campaigns, optimizing backend queries and performing regression testing, which reduced data retrieval time by 15%.

Software Developer   Jul '17 — Jul '21
OptionMatrix Infotech   Hyderabad, India

- Developed a scheduling system using .NET Web API and SQL Server, improving scheduling accuracy and reducing manual errors.
- Implemented CI/CD pipelines using Jenkins, decreasing deployment time by 20%.
- Developed reusable UI components in Angular, enhancing the user interface and improving code maintainability.
- Designed and Developed the Application using ASP.NET. Created Web Forms using VB.NET, C#, .Net, and ASP.NET with Visual Studio 2012.
- Worked with ASP.NET MVC 3.0, Partial Views, and Master Pages and developed Cascading style sheets (CSS) for the Consistent look and feel of the website.
- Developed custom ad-hoc reports by using SQL Server Reporting Services (SSRS).
- Excelled in utilizing XUnit for unit testing and conducting comprehensive component testing to ensure end-toend functionality.

EDUCATION

Master in Computer Science, Northwest Missouri State University (GPA: 4)   Aug '21 — Dec '22
Bachelor in Mechanical Engineering, DRK Institute of Science & Technology (GPA: 3.2)   Aug '13 — May '17

CERTIFICATIONS

AWS Certified Developer   Jul '23

IBM Data Science Professional Certification, IBM   Sep '22

PROJECTS

Crystal Ball, Epoca International
<div align="right">Jan '23 Present
Boca Raton, United States</div>

- Spearheaded front-end development using Angular and TypeScript, reducing load times by 10%, improving overall user experience for mobile and desktop platforms.
- Built and integrated scalable C#/.NET Web APIs to streamline data processing workflows and support new revenue streams.
- Implemented AWS EC2 and AWS Lambda services, optimizing server response times and reducing infrastructure costs for mobile and web applications.
- Skilled in developing cross-browser accessible interfaces using Bootstrap, JavaScript, CSS3, and Angular 14.
- Revitalized legacy applications with Angular 16 and JavaScript components while also developing a single-page application using Angular, Typescript, Webpack, and Grunt, showcasing proficiency in Web API, REST, and JSON based development.
- Migrated the project from .NET Framework 4.8 to .NET Core 6 and incorporated Angular 16, Angular Material, Angular Routing.
- Created interactive data visualizations using Chart.js, enhancing the clarity of complex datasets.
- Implemented top design patterns, Sync Await, Dependency Injection, and Layered Architecture for building scalable and maintainable applications.
- Developed a robust Python FastAPI to efficiently access embeddings, leveraging OpenAI embeddings to implement advanced semantic search capabilities, optimizing data retrieval processes.
- Optimized a PostgreSQL database by implementing PG vector stores and indexing, significantly enhancing query processing speed by 30% and improving data retrieval efficiency for application demands.

Text Book Manager, Northwest Missouri State University   Apr '22 — Dec '22

- Designed and developed applications using .NET Core, React JS, and MySQL, improving student data processing efficiency.
- Led the development of the Textbook Management System, automating updates with CRON jobs, reducing manual data entry by 30%.
- Collaborated with a cross-functional team, optimizing backend queries, which reduced data retrieval time by 15%.

IBW Surveyors, Optionmatrix Infotech   Jul '17 — Jul '21

- Engineered a comprehensive scheduling system leveraging .NET Web API and SQL Server, resulting in a 40% boost in scheduling accuracy and a significant reduction in manual errors for mobile teams.
- Designed and implemented CI/CD pipelines utilizing Jenkins to automate deployment processes, achieving a 20% reduction in deployment time and enhancing operational efficiency for team building and campaigns.
- Developed reusable and modular UI components in Angular, enhancing the user interface and improving code maintainability for mobile applications.
- Developed the client-side application using Angular 16 with features like routing, lazy loading, services, components, directives, pipes, interceptors, HTTP, and reactive forms.
- Created Restful Web APIs using ASP.NET Core Web API by following Microservices architecture.
- Engineered custom ad-hoc reporting tools utilizing SQL Server Reporting Services (SSRS), addressing complex survey data needs and enhancing project delivery by providing precise analytical insights.

SKILLS

Relevant Skills   Technical Documentation, Modular Architecture, Data Structures, Algorithms, System Design
Programming Languages   C#, JavaScript, TypeScript, SQL, Python, Java, JQuery, PostgreSQL, Vector DB
Frameworks and Libraries   .NET Core, Entity Framework, Angular, Vue.js, React.js, Fast API, Node.js, Express.js, Prime NG, Chakra UI, Google Maps API
Development Tools   Visual Studio, VS Code, Git, Jenkins, Docker, Postman, Swagger, IIS, Linux, Ubuntu, PuTTY, Tableau, MySql
Cloud Technologies   AWS (EC2, S3, RDS, Lambda, Elastic Cache), Azure App Services, Terraform, AWS API Gateway, Vercel, Cloud Watch
Project Management   SDLC, Agile, Scrum, AWS Management Console, Jira, GitHub, Figma