

Mythresh Maddina

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Software Engineer

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- Led the design and development of enterprise-scale, high performance systems using **.NET** technologies, improving system responsiveness and throughput by 30%.
- Over 3 years of experience in building and maintaining petabyte-scale data processing systems, specializing in software design, architecture, testing, and **ETL** processes to streamline data extraction, transformation, and loading.
- Proficient in developing web applications using **C# .NET, SQL Server, ASP.NET Core, Angular, Bootstrap, Spring Framework, and Microservices** with **Spring Boot** and **Node.js**.
- Strong expertise in **ASP.NET Core, C# .NET, SQL, and Microservices**, combined with solid knowledge of front-end technologies such as **HTML, CSS, JavaScript, React, and ETL frameworks** for data integration.

SKILLS

Programming Languages	Python, Core Java, C, JavaScript, TypeScript, C#
Frontend Technologies	React, Angular, HTML, CSS, Bootstrap, MaterialUI, WebForms, ASP.NET MVC
Backend Technologies	NodeJS, ASP.NET Core, ExpressJS, Microservices, SpringBoot
Databases	SQL, MySQL, PostgreSQL, MongoDB, DynamoDB
Cloud Technologies	AWS, Azure, GCP
Tools	Git, Docker, Postman, Jira, Agile, Scrum
Version Control & IDE	GitHub, SVN, Visual Studio Code, Eclipse, IntelliJ, Visual Studio
Distributed Systems	Kafka, RabbitMQ

TECHNICAL EXPERIENCE

Client: Express Scripts| St. Louis MO

Jan 2024 — Present

Role: Software Engineer

- Engineered scalable, event-driven applications using **.NET Core, C#, React, HTML, CSS, JavaScript, and TypeScript**, improving system performance by 40%.
- Implemented state management using **React, Redux** to handle complex application states efficiently.
- Executed **unit and integration testing** with **Jest** for JavaScript/React, **Cypress** for UI testing, **Cucumber** for BDD, and **Selenium** for end-to-end testing.
- Developed **C# .NET Core** applications in compliance with **HIPAA** and **HL7** safeguarding patient and prescription data, reducing data breach risks by 60% using **SSIS** for **ETL** process.
- Architected microservices with **.NET Core**, transitioning legacy systems to microservices and enhancing scalability and response times by 30%.
- Automated CI/CD pipelines using **Azure DevOps**, reducing manual effort by 50% and integrated **SonarQube** for automated code checks. Planned and optimized **RESTful APIs** with **ASP.NET Web API**, ensuring smooth integration between systems.
- Integrated **Kafka** and **Azure Service Bus** for reliable messaging, and improved real-time features using **SignalR** for live updates.
- Amplified backend performance with **Entity Framework Core, ADO.NET, and T-SQL**, deploying applications on **Azure** (VMs, Blob Storage, SQL Database) using **Terraform** for infrastructure as code.
- Managed code using **GitHub** and enforced role-based security with **ASP.NET Identity** and **Redis** for efficient caching.

Asiaa Data PVT LTD| Bangalore India

Feb 2020 — July 2022

Role: Software Engineer

- Played a key role in all SDLC phases, delivering 5+ interactive web applications using **ASP.NET, Angular, HTML5, TypeScript, JSON, MVC Razor views, CSS3, and Bootstrap**, while creating 50+ reusable components that boosted development speed by 30% and enhanced developer efficiency by 40%.
- Crafted modern, interactive web interfaces using **Blazor**, integrating **XML** for data handling and **.NET** technologies to enhance user experience and application performance. Delivered **.NET** applications (**ASP.NET, Windows Forms, WPF, VB.NET**) with **C#, Web API, and Visual Studio**, boosting system efficiency by 25%.
- Implemented server-side rendering with **Node.js** and designed microservice architectures, increasing system scalability by 35% and cutting deployment times by 20% using CI/CD pipelines with **Jenkins**.
- Managed containerized applications on **Kubernetes** within **AWS** and **PCF** (Pivotal Cloud Foundry), ensuring 99.9% uptime and supporting 50,000+ concurrent users during peak traffic. Applied unit testing frameworks (**NUnit, MSTest**) with **LINQ** and Mocking frameworks to simulate data interactions, achieving 95% test coverage and improving test execution speed by 30%.
- Fine-tuned **SQL Server 2016+**, **PL/SQL**, and **MongoDB** by creating 50+ stored procedures, functions, and triggers, improving query performance by 40%.

- Streamlined version control with **Git**, improving collaboration and reducing merge conflicts by 30%. Developed microservices using **Java** and **Spring Boot**, integrating with **.NET Core** systems, improving scalability of system by 30% and improving security with **Spring Security** for authentication and authorization.

PROJECTS

Connectify | ASP.NET, C#, SQL Server, ADO.NET, RESTful Web Services

- Created a web application using ASP.NET, C#, and SQL Server for backend services, with a responsive Angular frontend, improving user engagement by 35%.
- Implemented features like user interactions, CRUD operations, and photo management, handling 10,000+ user uploads per month, while ensuring seamless frontend-backend communication via RESTful APIs and API testing with Postman, reducing errors by 25%.

Cine List | React, Node.js, Express, MongoDB, GraphQL, AWS

- Structured a movie listing platform using the MERN stack and GraphQL, fetching real-time movie data via Rapid API, with 10,000+ movie details displayed daily.
- Integrated Rapid API to showcase trending and featured movies, achieving a 40% increase in user engagement.

Learnify | React, Node.js, Express MongoDB, Stripe, Redux

- Built a robust Online Tutorial application using MongoDB, Express.js, React.js, Node.js, implementing JWT (JSON Web Tokens) for secure user authentication and Stripe for seamless payment processing.

EDUCATION

Masters in Computer Science, *University of Central Missouri*

Aug 2022 - May 2024