

Spoorthi Manthani

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PROFESSIONAL SUMMARY

Full Stack .NET Developer with over 4 years of experience in building scalable web applications using C#, ASP.NET Core, React, and Angular. Proficient in RESTful APIs, microservices, and cloud platforms like AWS and Azure. Skilled in optimizing CI/CD pipelines, achieving 99% deployment success, and improving system performance by 15–20%. Adept at Agile methodologies, TDD, and secure development practices (OAuth 2.0, JWT), delivering user-focused solutions in fast-paced environments.

EDUCATION

Eastern Illinois University, IL, USA

Jan 2023 – May 2024

Master of Science in Computer Science, GPA: 4

Relevant Coursework: Advanced Database Technologies, Web Application Development, Algorithm Design, Data Science through Python

Jawaharlal Nehru Technological University, Hyderabad, India

Aug 2016 – Jul 2020

Bachelor of Technology in Electronics & Communication Engineering, GPA: 8.6

Relevant Coursework: Artificial Intelligence (AI), Internet of Things (IoT), Data Structures & Algorithms (DSA), Computer Networks

TECHNICAL SKILLS

- **Programming Languages:** C#, JavaScript, TypeScript, PL/SQL, PowerShell
- **Frameworks & Libraries:** ASP.NET Core, ASP.NET MVC, React.js, Angular, Node.js, MVVM, jQuery, Entity Framework, Context API, ASP.NET Web Forms
- **Web Technologies:** HTML5, CSS3, Bootstrap, Single Page Applications (SPAs), Swagger, SASS/SCSS, Tailwind CSS
- **API & Services:** RESTful APIs, Microservices, SOAP, OData
- **Databases:** SQL Server, PostgreSQL, MySQL, NoSQL, MongoDB, SQLite, Oracle DB
- **Database Tools:** Triggers, Stored Procedures, SSRS, SSIS/ETL, LINQ, Database Migrations (EF Core), Indexing
- **Cloud Platforms:** AWS, Azure, Google Cloud Platform, Serverless Framework, Azure App Services, AWS ECS
- **DevOps & Tools:** Docker, Kubernetes, Terraform, CI/CD Pipelines, Git, Bitbucket, TFS, Octopus Deploy, Azure DevOps, GitHub Actions, Jenkins, TeamCity, Helm
- **Testing Frameworks:** xUnit, NUnit, Jest, React Testing Library, Moq
- **Security:** SSO, OWASP, SAML, Azure AD Authentication, OAuth 2.0, OpenID Connect, JWT, Encryption Standards
- **Development Practices:** Agile (Scrum), SDLC, TDD, Code Reviews, Peer Reviews, Backlog Grooming, Sprint Planning, DDD (Domain-Driven Design), BDD (Behavior-Driven Development), Pair Programming
- **Monitoring & Logging:** Elasticsearch, Kibana, Log Management, Grafana
- **Development Environments:** Visual Studio, Visual Studio Code
- **API Testing & Development:** Postman, Swagger, OpenAPI Spec
- **Other Tools:** JIRA, JFrog, ServiceNow, IIS, MS Dynamics, Azure Functions, Azure Service Bus, Kafka, Lambda Functions, NuGet, PnP PowerShell
- **Soft Skills:** Programming Principles, Time Management, Software Design, Verbal Communication, Written Communication, Collaboration Skills, Growth Mindset, Continuous Learning, Problem-Solving, Critical Thinking, Adaptability
- **Troubleshooting:** Troubleshooting, Root Cause Analysis, Performance Tuning
- **Performance Optimization:** Caching (Redis, MemoryCache), Lazy Loading, Asynchronous Programming

- **Emerging Trends:** AI/ML Integration (ML.NET), DevSecOps, Low-Code Development

PROFESSIONAL EXPERIENCE

LPL Financial, FortMill, SC

Jun 2024 - Present

Software Engineer

- Developed boilerplate templates for .NET, Python, Angular, and Kafka in BRAVE tool, cutting project setup time by 30%.
- Built high-performance RESTful APIs using C# .NET Core 8 with async programming, reducing latency by 20%, validated via Postman/Swagger.
- Created responsive Angular/Node.js UIs, integrating with backend APIs to boost user engagement by 15%.
- Leveraged AWS (EC2, S3, Lambda) for scalable solutions, improving system throughput by 15%.
- Optimized CI/CD pipelines with GitHub Actions and Terraform, achieving 99% deployment success rate.
- Ensured 95% code coverage by resolving vulnerabilities using SonarQube and writing unit tests with NUnit/Moq.

Eastern Illinois University, Charleston, IL

May 2023 – Aug 2023

Conference Assistant

- Selected as 1 of 27 students to enhance a top Midwest summer program, contributing to its continued success.
- Developed Angular-based registration UIs, increasing event sign-up efficiency by 40%.
- Designed SQL Server databases for real-time tracking, enabling 100+ daily attendee reports.
- Provided technical support for AV systems, resolving 95% of issues within 30 minutes during events.

GlobalData Plc, Hyderabad, India

Sep 2022 – Jan 2023

Software Engineer

- Deployed Docker-based cloud solutions and .NET Core REST APIs, achieving 99.9% backend uptime.
- Enhanced data retrieval with Elasticsearch/Kibana, cutting query response time by 25%.
- Optimized Azure DevOps CI/CD pipelines, reducing deployment time by 30% for 3 projects.
- Implemented lazy loading in web apps, decreasing initial load time by 35%.
- Tuned SQL stored procedures, improving database performance by 20%.

Cognizant Technology Solutions Pvt. Ltd., Hyderabad, India

Nov 2020 – Jul 2022

Jr. Software Engineer, ADM Unit, Client: Novartis

- Built RESTful APIs using .NET Core, improving response times by 15% for 4K+ users.
- Implemented monitoring with Grafana to track POS system alerts, maintaining 99% uptime for critical operations.
- Enhanced SQL Server database performance with indexing and stored procedures, ensuring 100% data consistency for 8+ clients.
- Automated deployment processes using Azure DevOps pipelines, reducing release cycle time by 25% across 15+ deployments.

Blitz Infocom Pvt. Ltd., Hyderabad, India

Dec 2019 – Nov 2020

Programmer Analyst

- Developed basic REST APIs using .NET Framework, supporting internal applications for 500+ users.
- Assisted in creating Swagger documentation for APIs, improving team integration efficiency by 15%.
- Implemented simple caching with MemoryCache, reducing database load by 20% for key endpoints.
- Deployed applications on IIS servers, ensuring 99.5% uptime for internal tools.
- Used Git for version control, contributing to 10+ successful team deployments.

PROJECTS

E-Commerce Platform | React, Node.js, MongoDB, Express.js

Oct 2023

- Designed and built a fully functional e-commerce platform allowing users to browse products, add them to the cart, and securely complete transactions.
 - Developed RESTful APIs for product management, user authentication, and order processing using Node.js and Express.js.
 - Integrated MongoDB for storing product and order data with efficient query capabilities.
 - Implemented JWT authentication and role-based authorization for secure access to the admin panel.
- Applied React for a dynamic, responsive front-end, improving user experience and reducing load times.

Shopping Mall Management | ASP.NET MVC, C#, SQL Server, Bootstrap

Dec 2020

- Developed a web-based application for shopping mall management, enabling store owners to create and manage profiles, and display store information.
- Integrated customer feedback system for stores, allowing users to rate and review stores.
- Built an admin panel for managing users, store details, and customer interactions.
- Implemented filtering and search features to help customers easily find stores based on categories.
- Ensured mobile responsiveness using Bootstrap for a seamless user experience across devices.

PROFESSIONAL DEVELOPMENT

- AI/ML Certifications, NPTEL IIT Madras and IIT Kharagpur (2020): Gained proficiency in AI/ML concepts, aligning with emerging trends.
- Full Stack Development Bootcamp, Udemy (2020–2022): Mastered .NET Core and React, advancing technical skills during Cognizant tenure.