

Satish S Sreerama

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SUMMARY:

Full Stack .NET Engineer with 5+ years of hands-on experience building and supporting enterprise web applications using C#, ASP.NET Core/.NET Core, React/Angular, and SQL Server. Experienced in designing REST APIs, microservices, and background processing for high-volume workflows in financial and healthcare domains. Strong background in Azure DevOps CI/CD, production support, and root-cause analysis, with a focus on building reliable, maintainable systems used in regulated environments.

SKILLS:

Languages: C#, Python, JavaScript, TypeScript, SQL
Web/UI: HTML5, CSS3, React, Angular, Bootstrap
Backend & APIs: ASP.NET Core, .NET Core/.NET Framework, REST APIs, Microservices, OAuth2/OIDC (SSO/SAML exposure), ORM/Entity Framework
Databases: SQL Server, MySQL, PostgreSQL, MongoDB (working knowledge: Oracle, Cassandra, IBM DB2)
Cloud & DevOps: Azure (Azure DevOps CI/CD), AWS, Docker, Kubernetes, Git, Bash; monitoring/logging: Azure Application Insights, Kibana
Testing & Quality: Unit testing (xUnit), code reviews, SDLC/Agile, production troubleshooting, RCA, documentation/runbooks
AI / Modern Systems: LLM Integration, Vector Databases, Semantic Search, RAG Pipelines, Document Processing

CERTIFICATIONS:

- **Microsoft Certified: Azure Developer Associate**
- **Professional Scrum Product Owner I (PSPO I)**

WORK EXPERIENCE:

Software Engineer | Raymond James, Alpharetta, GA

Aug 2024-Present

- Delivered Payment Pause and Payoff Letter workflows using React and Angular-based UI patterns, integrating ASP.NET Core Web APIs with Loan Servicing and Collections systems; reduced manual processing by 60% through automation of RESTful API-driven workflows.
- Developed a .NET Core middleware microservices solution enabling asynchronous data exchange between Azure Service Bus and AWS SQS, implementing retry logic, idempotency, and API reliability patterns for high-throughput distributed systems.
- Designed and implemented OCR document ingestion pipelines using Azure AI Document Intelligence with ASP.NET Core Web API and background services (IHostedService), leveraging parallel processing and microservices architecture, reducing turnaround time from 2 hours to under 10 minutes (p95).
- Built and integrated RESTful APIs using ASP.NET Core and Entity Framework Core, supporting contract generation and DocuSign e-signature workflows, including webhook-based API integrations, secure data storage (Azure Blob Storage), and compliance-driven backend processing.
- Contributed to microservices architecture design and API development, defining service boundaries for Payments, Customer, Collections, and Notifications domains, and deploying scalable services using Docker, Kubernetes (AKS), and Azure DevOps CI/CD pipelines.
- Optimized SQL Server database performance by tuning queries, stored procedures, and indexing strategies, improving API response times and backend data processing efficiency for high-volume enterprise applications.
- Provided production support for ASP.NET Core applications and REST APIs, resolving Sev1/Sev2 incidents, performing root cause analysis (RCA) using Azure Application Insights and Kibana, and implementing fixes to improve system reliability and API stability.

Associate Software Engineer | Wipro, Hyderabad, India

June 2019-Aug 2022

- Built Angular and ASP.NET Core microservices for a Patient Intake module, using dependency injection and REST APIs to support appointment scheduling and triage workflows, handling ~12,000 transactions per day.
- Designed and implemented SQL Server schemas for Patient, Appointment, and Encounter entities, developed stored procedures for daily appointment reconciliation and billing aggregation, and improved batch job performance from ~2 hours to 18 minutes through indexing and partitioning.
- Containerized backend services using Docker and deployed applications through Azure DevOps CI/CD pipelines, supporting versioned artifacts, environment approvals, and rollback strategies.
- Maintained and enhanced a legacy ASP.NET and WinForms application used by Medical Director and clinical staff, implementing role-based access control (Admin, Physician, Nurse, Billing Clerk) and audit logging using SQL audit tables and Windows Event Logs to meet HIPAA compliance requirements.
- Investigated and resolved SSO/SAML authentication issues with Azure AD, including certificate rotation failures, issuer/audience mismatches, clock skew, and claims mapping errors, restoring login success rates from ~72% to 99% and documenting a runbook for future rotations.
- Implemented real-time notifications in the Angular portal using SignalR and ASP.NET Core background services, reducing critical workflow response times from ~30 minutes to under 5 minutes and improving clinician responsiveness.

EDUCATION:

University of North Texas, USA

Aug 2022- May 2024

Master of Science, Computer Science

PERSONAL PROJECTS

Intelligent AI Agent for Insurance Claims

- Built an AI-driven claims processing system using **.NET Core, C#, and vector database architecture** for semantic retrieval of policy and claim data.
- Designed backend pipelines for **document ingestion, embedding generation, and context-aware claim analysis** using LLM orchestration.
- Developed APIs for claim submission, automated summarization, fraud signals, and decision support workflows.
- Implemented **semantic search across unstructured documents**, improving accuracy of claim insights and reducing manual review effort.

Job Tracker Application

- Developed a full-stack job tracking system using **.NET Core and SQL Server** to manage application lifecycle, resumes, and recruiter interactions.
- Designed normalized data models and APIs for tracking job stages, submission history, and interview pipelines.
- Built dashboard features for filtering and analytics, improving visibility into job search progress and follow-ups.

PDF Editor

- Engineered a PDF processing system using .NET Core enabling text editing, annotations, and digital signature insertion.
- Implemented coordinate-based rendering and document transformation workflows for real-time editing.
- Designed backend services for secure file handling, versioning, and export of modified documents.
- Optimized performance for large document processing and multi-step editing operations.