

PAAWAN SRIVASTAVA

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Senior Software Engineer – .NET Core | Angular | Azure | System Design

Senior Software Engineer with **9 years of experience** building scalable, enterprise-grade systems using **.NET Core, C#, Angular, SQL Server, and Azure**. Strong in **Clean Architecture, CQRS, API design, performance tuning**, and delivering systems that handle **large datasets, complex workflows, and high concurrency**.

CORE SKILLS

Backend & Architecture: C#, .NET Core, ASP.NET Core, Web API, EF Core, LINQ, REST API Design, Clean Architecture, CQRS, SOLID Principles, Background Services (Hangfire)

Cloud & DevOps: Azure DevOps, CI/CD, Azure Key Vault, Azure Blob Storage, Azure AD + SSO, Docker, Git, AWS S3/EC2 (working knowledge)

Frontend: Angular, TypeScript, PrimeNG, Bootstrap, SCSS, JQuery, AG Grid, React (intermediate)

Database: SQL Server, T-SQL, Stored Procedures, Query Optimization, Indexing, Execution Plans

Testing & Tools: xUnit, NUnit, Moq, Swagger, Postman, Visual Studio, VS Code, SSMS, Jira

WORK EXPERIENCE

Senior Software Engineer

Sep 2021 – Present

Techbit Solutions Pvt Ltd | Remote | Client: Confidential (Ireland)

- Developed Angular + .NET Core platform managing **200,000+ engineering drawings** with indexing, search, DWG to PDF workflows, and BIM 360 integration.
- Designed Azure Storage architecture and implemented **5+ CI/CD pipelines** using DevOps and Key Vault.
- Optimized a critical backend process, reducing runtime from **~10 minutes** → **under 1 minute** through SQL and parallelization improvements.
- Automated deployment workflows, reducing release cycles from **30 minutes** → **single-click**.
- Implemented Clean Architecture, CQRS, and repository patterns to improve maintainability and scalability.
- Improved SQL Server performance through indexing, query tuning, and execution plan analysis.
- Built secure authentication flows using Azure AD + SSO.
- Mentored junior developers and collaborated with cross-functional teams across **five countries**.

Software Engineer

May 2016 – Sep 2021

Lovely Infotech

- Migrated legacy ERP modules to modern **ASP.NET MVC + Angular**-based architecture.
- Developed **University Admission Portal** handling **10,000+ concurrent users**, including registrations, payments, and exam workflows.
- Built a **Dynamic Form Builder** using .NET Core + Angular with conditional logic, validations, and Docker deployment.
- Improved ERP workflows and student services through SQL optimization and refactoring.
- Implemented various integrations: email services, payment gateways, and identity flows.
- Contributed to a **multi-tenant student management ERP** deployed across private and shared instances.

PROJECT HIGHLIGHTS

- Engineering Document Management:** Enterprise file system managing **100k+ drawings** with automated conversions, workflows, and BIM 360 integration.
- Student Admission Portal:** High-traffic portal designed for **10k+ concurrent users**, including payment, exam workflows, and notifications.

CERTIFICATES

- Docker Foundations - Professional Certificate
- HackerRank: Python (Gold), Angular (Intermediate), SQL (Intermediate)
- AWS Educate (Intro to Compute, Storage, Networking, GenAI)

EDUCATION

Master + Bachelor of Technology (Dual Degree), Computer Science Engineering

Aug 2011 – Sep 2016

Lovely Professional University

- Specialization: Artificial Intelligence
- Master's Thesis: Computer Vision