



Shubham Nayak

Senior Full Stack Engineer | .NET Core | Angular | JavaScript | Enterprise Applications

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Senior Full Stack Engineer with 12+ years of experience designing and building enterprise-scale full-stack applications using C#, .NET Core, ASP.NET Core Web API, REST APIs, microservices, Angular, AngularJS, JavaScript, TypeScript, Knockout.js, HTML, CSS, SQL Server, and cloud-ready architectures. Specialized in offline-first platforms, ERP-integrated applications, high-concurrency systems, resilient data synchronization, and responsive enterprise web workflows. Proven track record of improving reliability, reducing latency, and delivering scalable solutions used by thousands of users across real-world manufacturing operations.

Experience

LM Wind Power (GE Vernova) • Bengaluru

May 2020 - Mar 2026

Senior Enterprise Application Engineer

- Joined as Consultant in May 2018 and transitioned to full-time employee in May 2020.
- Designed and delivered enterprise MES platforms integrated with Microsoft Dynamics AX across multiple manufacturing plants.
- Built offline-first enterprise web applications using Angular, JavaScript, Knockout.js, HTML, CSS, IndexedDB, and REST APIs, enabling shop-floor users to operate during low or no network connectivity.
- Developed .NET Core services for high-volume data synchronization, API orchestration, ERP communication, retry handling, and background processing.
- Designed asynchronous synchronization workflows to move data reliably between browser storage, backend services, and ERP systems.
- Led system design decisions around data consistency, synchronization strategy, performance, scalability, and maintainability in distributed environments.
- Defined reusable API and integration patterns to improve consistency, onboarding, and long-term supportability across enterprise applications.
- Improved reliability and reduced latency under peak manufacturing usage by optimizing asynchronous workflows and synchronization pipelines.
- Built and maintained integrations using REST APIs and SFTP across internal and external enterprise systems.
- Partnered with business, manufacturing, and engineering stakeholders to translate operational workflows into scalable technical solutions.

Senior Software Engineer

- Designed and built enterprise applications including production tracking systems from scratch.
- Created POCs to validate client requirements and technical feasibility.
- Implemented CI/CD pipelines and Azure-based deployments.
- Built automation solutions and integrations including chatbot-based workflows.
- Led a team of 5 engineers and ensured timely delivery.

Logicadd Software Pvt. Ltd.

 • Bengaluru

Aug 2014 - Aug 2016

Senior Software Engineer

- Led development of automation-driven platforms for MSMEs, including email-to-ticket systems and workflow automation.
- Built contract tracking, communication workflow, and process digitization systems for business operations.
- Designed mobile application components for context-based notifications and reminders.
- Developed OCR-based document validation workflows for large-scale scanning and verification processes.
- Contributed across frontend, backend, database, and mobile layers, owning end-to-end feature delivery.

Katpro Technologies Pvt. Ltd.

 • Bengaluru

Jul 2013 - Jul 2014

Software Engineer

- Built LMS platform with DRM-based content delivery and secure playback.
- Implemented payment gateway integrations for subscription systems.
- Developed Lead Management System for Microsoft retail partner ecosystem.
- Worked on Azure migration projects as part of Microsoft partnership.

Notable Achievements

- ✓ Designed and maintained enterprise-grade MES platforms integrated with Microsoft Dynamics AX, supporting multi-plant manufacturing operations for thousands of users.
- ✓ Built offline-first web applications enabling business continuity during low or no connectivity, significantly reducing dependency on network stability.
- ✓ Defined reusable API and integration patterns that improved consistency, maintainability, and long-term scalability across enterprise applications.
- ✓ Improved system reliability and responsiveness by optimizing asynchronous workflows and reducing latency under peak usage in distributed environments.
- ✓ Partnered with business and engineering stakeholders to convert complex manufacturing workflows into reliable, scalable, and supportable platform capabilities.

Skills

RabbitMQ, Event-Driven Messaging

Architecture Decision-Making

High-Concurrency Systems

Knockout.js

Performance Optimization

Cross-Team Collaboration

Event-Driven Architecture

Stakeholder Management

Background Processing

ASP.NET Core Web API

Entity Framework Core

Data Synchronization

Logging

Technical Leadership

Offline-First Systems

Distributed Systems

SFTP Integration

Troubleshooting

ERP Integration

OpenTelemetry

System Design

API Integration

API Versioning

Azure DevOps

Microservices

Responsive UI

Retry Patterns

PostgreSQL

SQL Server

TypeScript

IndexedDB

Monitoring

JavaScript

REST APIs

.NET Core

AngularJS

MongoDB

Angular

HTML5

Docker

jQuery

Azure

CI/CD

CSS3

Redis

C#

Education

Kuvempu University

Bachelor of Science in Information Technology