# Shivam Bansal

FULL STACK DEVELOPER

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## Professional Summary

Senior Full Stack Software Engineer with 5+ years of experience designing, developing, and optimizing scalable, high-performance web and real-time systems. Expertise in Angular, ASP.NET Core, C#, Javascript with strong experience building end-to-end solutions across UI, backend services, and cloud platforms. Skilled in resolving advanced technical issues involving high-performance systems, concurrent processes, data consistency, and robust reliability. Experience in Microsoft Azure, Restful APIs, and Agile delivery, with a strong focus on clean architecture, maintainability, and business impact.

## Work Experience

### Coforge Ltd.                                          May 2025 – Present

*Senior Software Engineer*                                *Gr. Noida, India*

- Served as a Senior Full Stack Developer on a mission-critical ACDM de-icing system, owning end-to-end feature development across Angular UI, .NET backend services, and cloud deployment.
- Led the design and implementation of real-time Angular applications, integrating RESTful APIs and SignalR to support live aircraft scheduling and operational decision-making.
- Architected and delivered a configurable **rule engine (frontend and backend) enabling runtime modification of business rules** that directly influence deicing planner behavior.
- Played a key role in **designing and optimizing scheduling and resource-allocation algorithms**, balancing performance, concurrency, and operational constraints.
- Drove solutions to complex engineering challenges involving **data consistency, atomic transactions, concurrency control, and low-latency system performance.**
- Collaborated closely with airport stakeholders and domain experts at Zurich Airport, translating complex aviation workflows into scalable, maintainable software solutions.
- Deployed and operated solutions on Microsoft Azure, contributing to CI/CD pipelines, monitoring, and production stability, **resulting in reduced fuel costs, fewer take-off delays**, and improved airport efficiency.

### Qualfon, Inc.                                          Jan 2023 – April 2025

*Senior Software Engineer*                                *Gurugram, India*

- Delivered a scalable real-time monitoring application that enabled stakeholders to track system health, report outages, and receive early warnings, with easy on-boarding for new apps, **reducing incident response time and improving system reliability** across the organization and clients.
- Developed a customizable survey application for designing, distributing, and analyzing surveys, with a custom admin dashboard for data insights. Integrated with multilingual support and easy client-specific customization, **boosting user engagement by at least 60%** compared to legacy systems.
- Released various features and resolved critical bugs for a scripting application used by contact center agents, **improving operational efficiency by 20%**. Improved application performance and stability, contributing to a more streamlined workflow for call center operations.
- Integrated an application with an AI chat-bot and Microsoft Cognitive Services for real-time sentiment analysis, enabling call center agents to respond to customer queries more effectively and **improving customer satisfaction by 25%**.

### Infosys Ltd.                                          Jan 2021 – Oct 2022

*System Engineer*                                        *Hyderabad, India*

- Led the migration of legacy web applications from .NET Framework to ASP.NET Core + Angular **improving performance, scalability, and maintainability by 35%.**
- Redesigned the front-end architecture using Angular **enhancing user experience and reducing page load time by 30%.**

- Refactored back-end services from .NET framework to ASP.NET Core web APIs, **optimizing data processing, reducing response times** as well as opening support for Mobile development.
- Collaborated with cross-functional teams to ensure seamless integration and deployment of the new system within agile sprints while minimizing downtime.
- Provided demos and documentation to the business team for adopting the new application.
- Authored and **published multiple technical articles** on Infosys' internal wiki, sharing insights on tools, technologies, and effective implementation strategies to support and up-skill fellow developers and teammates.

## Technical Skills

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|---|---|
| **Languages and Databases -** | C#, Javascript (ES6+), Typescript, MS SQL Server, PostgreSQL, MongoDB, HTML5, CSS. |
| **Frameworks & Tools -** | Angular, ASP.NET Core, Entity Framework, Blazor, Azure Cloud Services, SignalR, Tailwind CSS, Bootstrap, Docker, Kubernetes, RabbitMQ, Redis, Vercel. |
| **Other Skills -** | Microservice Architecture, Git, Jira, Azure Dev-ops, Agile Scrum, CI/CD. |

## Certifications

- **Microsoft Certified: Azure Fundamentals (AZ-900)**                                         **April 2025**

  **Issuer:** Microsoft

  **Credential URL:** https://learn.microsoft.com/api/credentials/share/en-us/ShivamBansal-dev/6C87839E8A4CDE70?sharingId

## Achievements

- ✓ Received appreciation from Qualfon for pro-active approach and consistently high performance on key projects.

- ✓ Hackathon Runner-Up for proposing an AI-driven solution that enhances system efficiency and improves user productivity.

## Education

**Bachelor of Technology in Computer Science**                                         **Aug 2016 – Sep 2020**

Galgotias College of Engineering & Technology                                         Gautam Buddha Nagar, India

**Grade:** 7.88 CGPA (I-DIV HONS.)