MANISH SAHANI

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📍 Nuremberg, Germany

Professional Summary: Backend/Full-Stack Engineer with 7+ years in .NET Core (C#) and Angular delivering distributed systems on Azure. Built event-driven services with Functions and Service Bus, integrated IoT data via IoT Hub, and optimized SQL/NoSQL backends. Strong DevOps mindset with Git/Azure DevOps CI/CD, code quality gates, and observability. Agile team collaborator (Scrum/Kanban) focused on resilient, scalable solutions.

🛠️ Technical Expertise

Backend & APIs: .NET Core (C#), ASP.NET Core Web API, gRPC; async/await; clean architecture; REST/JSON; OpenAPI

Frontend: Angular (components, RxJS, forms), TypeScript, responsive UI, API integration

Distributed Systems: Event-driven design, pub/sub, Service Bus queues/topics, CQRS patterns, resiliency (retries, DLQs)

Azure Services: IoT Hub ingestion, Azure Functions, Service Bus, App Service; monitoring with Application Insights

Data Stores: SQL Server, PostgreSQL, Cosmos DB; query optimization; caching; data partitioning; NoSQL patterns

DevOps: Git, Azure DevOps CI/CD, branching strategies, code quality gates, automated tests, containers (Docker)

📋 Work Experience

Associate Consultant — Mercedes-Benz R&D (via Capgemini)

02/2024 – Oct/2025 | Full-Stack Developer – Connected Vehicle Platform

- **.NET Core Services:** Built telemetry APIs with ASP.NET Core (C#), async/await, resilient retries; designed clean contracts for consuming teams. - **Azure IoT & Messaging:** Ingested sensor data via Azure IoT Hub; processed events with Azure Functions; used Service Bus queues/topics for reliable delivery; DLQ handling and replay. - **Angular Integration:** Delivered data-ready endpoints for Angular dashboards; collaborated on contracts and caching; improved API latency by 25%. - **Data Layer:** Tuned SQL Server/Cosmos DB queries; partitioning and indexing for high-volume telemetry; implemented caching for hot paths. - **DevOps:** Git/Azure DevOps pipelines with gated builds, API/contract tests, and automated deployments; Dockerized services for consistency. - **Observability:** Application Insights dashboards and alerts; distributed tracing for critical flows; proactive error budgets to protect SLAs.

Software Engineer — Chetu Inc.

09/2021 – 02/2024 | Full-Stack Developer – Healthcare Platform

- **.NET Core APIs:** Built HIPAA-grade services with ASP.NET Core; validation, exception handling, and logging; versioned APIs documented with Swagger/OpenAPI. - **Azure Integration:** Event-driven flows with Service Bus queues/topics; Azure Functions for background processing; durable timers for retries; improved reliability for scheduling flows. - **Angular Frontend:** Partnered with Angular team on API contracts and pagination/caching; delivered sub-second responses for clinician dashboards. - **Data Layer:** SQL Server and PostgreSQL optimization (indexes, execution plans); introduced Cosmos DB for semi-structured data; reduced query latency ~30%. - **DevOps:** Azure DevOps pipelines with

unit/integration tests, quality gates (SonarQube), and automated deployments; Git branching and PR reviews. - **Security & Compliance:** Applied OWASP practices, secret management, encryption in transit/at rest; audit logging for PHI; supported external security assessments.

Software Developer — Sanchay Tech Private Limited

01/2021 – 08/2021 | Full-Stack Developer – Enterprise Integration Platform

- **.NET Core Services:** Delivered integration APIs in ASP.NET Core; request validation, caching, and retry policies; improved stability for HR/Payroll modules. - **Azure Messaging:** Used Service Bus queues/topics for cross-module integration; standardized message schemas; dead-letter monitoring and replay scripts. - **Angular UI:** Exposed optimized endpoints for Angular frontends; reduced payloads and added ETag-based caching to cut bandwidth. - **Data:** SQL Server tuning (indexes, sargable queries); introduced NoSQL store for audit/event logs; automated backups and health checks. - **DevOps:** Git and Azure DevOps pipelines with build/test gates; Docker for consistent environments; release notes and rollback plans.

Software Developer — RynData Lab Private Limited

09/2018 – 12/2020 | Software Developer – Real-Time Data Platform

- **Backend:** Built ingestion services in ASP.NET Core; async pipelines; bulk inserts; batch processing for high-volume data feeds. - **Azure Functions & Service Bus:** Event-driven processing with Functions; Service Bus topics for fan-out; retry/backoff and DLQ handling. - **Data Stores:** SQL Server for transactional data; Cosmos DB for semi-structured telemetry; partitioning strategies and performance tuning. - **Frontend Support:** Exposed APIs consumed by Angular dashboards; added filtering/pagination and caching for analytics views. - **DevOps & QA:** Git-based workflows; Azure DevOps build/release with automated tests; smoke tests in lower environments before promotion.

🎯 Core Competencies

💻 **.NET Core (C#):** ASP.NET Core APIs, async/await, gRPC, clean architecture

🅰 **Angular:** TypeScript, RxJS, component-driven UI, API integrations

☁ **Azure Services:** IoT Hub, Functions, Service Bus, App Service, Application Insights

🔁 **Distributed Systems:** Event-driven patterns, pub/sub, retries/DLQ, CQRS, caching

💾 **Data:** SQL Server, PostgreSQL, Cosmos DB; indexing, partitioning, performance tuning

🔧 **DevOps:** Git, Azure DevOps pipelines, gated builds, automated tests, Docker

📊 **Observability:** Application Insights, logging/metrics/traces, SLA alerts

🤝 **Agile:** Scrum/Kanban, backlog refinement, demos, retrospectives

🎓 Education

Bachelor of Technology in Computer Science
Rajasthan Technical University, Kota, India (2014–2018)

🚀 Professional Development

Advanced .NET Core   Angular / TypeScript   Azure Service Bus & Functions   Azure Architecture

SQL/NoSQL Performance   Azure DevOps CI/CD   Cloud Security Basics

🌐 Languages & Location

🗣 **Languages:**
English (Professional) | Deutsch (A2)

📍 **Location:**
Nuremberg, Germany | Available immediately