

# MANISH SAHANI

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## Summary

Senior Software Engineer with 5 years of experience in enterprise data platforms and infrastructure, specializing in Microsoft BI stack, SQL Server administration, and cloud migration. Proven expertise in designing and maintaining scalable data solutions, optimizing system performance, and implementing modern BI architectures. Strong background in infrastructure automation, system integration, and platform migration. Available immediately and willing to travel to Coburg for critical on-site meetings.

## Technical Expertise

### Microsoft BI & Data Platform

- **SQL Server Administration:** Deep expertise in SQL Server (2016-2022), including configuration, maintenance, and performance tuning
- **BI Services:** SSRS, SSAS, Power BI Report Server (on-premises), deep understanding of enterprise BI architecture
- **ETL & Integration:** SSIS, data warehouse architecture, automated ETL pipelines, system integration
- **Performance:** Query optimization, database tuning, monitoring tools implementation, capacity planning

### Cloud & Infrastructure

- **Azure Services:** App Services, Function Apps, Azure Data Factory, Logic Apps
- **Migration:** Experience with SQL Server version upgrades and cloud migration planning
- **Infrastructure as Code:** Terraform, Azure Resource Manager templates, PowerShell automation
- **Security:** OAuth 2.0, JWT implementation, secure logging frameworks (Serilog/NLog)

### Development & Integration

- **Backend:** C#, .NET Core/Framework, Web API, microservices architecture
- **Data Access:** T-SQL, Entity Framework, LINQ, ADO.NET
- **Automation:** PowerShell scripting, CI/CD pipelines, GitHub Actions
- **Monitoring:** Application insights, custom monitoring solutions, health checks

### Analytics & Reporting

- **Power BI:** Report server administration, DAX, Power Query, deployment pipelines
- **Data Modeling:** Dimensional modeling, data warehouse design
- **Visualization:** Custom dashboard development, KPI monitoring, real-time analytics

## Professional Experience

Associate Consultant — Mercedes-Benz Research and Development (via Capgemini)

02/2024 – Oct/2025

**Role:** Platform & Infrastructure Engineer

- Led the implementation and administration of enterprise-scale SQL Server infrastructure, supporting mission-critical automotive systems
- Designed and implemented automated ETL pipelines using SSIS and T-SQL, improving data processing efficiency by 60%
- Managed on-premises Power BI Report Server deployment, including security configuration and performance optimization
- Implemented comprehensive monitoring solutions for database health, performance metrics, and system availability
- Developed and maintained infrastructure-as-code using Terraform for consistent environment provisioning
- Created detailed technical documentation and conducted knowledge transfer sessions for platform maintenance
- Collaborated with cross-functional teams to ensure high availability and disaster recovery requirements were met

**Key Achievements:**

- Successfully migrated legacy SQL Server instances to modern versions with zero data loss
- Reduced report rendering times by 45% through SQL query optimization and index tuning
- Implemented automated health checks and alerting system for critical BI infrastructure

Software Engineer — Chetu Inc.

09/2021 – 02/2024

**Role:** Data Platform Engineer – Healthcare Analytics

- Architected and maintained a large-scale SQL Server infrastructure supporting multi-tenant healthcare analytics
- Implemented and managed SSRS/Power BI Report Server for enterprise reporting needs
- Designed and optimized ETL processes for large-scale data integration from multiple healthcare systems
- Created infrastructure automation scripts for consistent environment deployment
- Led the planning and execution of SQL Server upgrade projects across multiple environments

**Infrastructure & Platform Work:**

- Improved platform stability through implementing robust monitoring and maintenance procedures
- Reduced system downtime by 75% through automated health checks and proactive maintenance
- Implemented high-availability solutions for critical database systems

Jr. Software Developer — Sanchay Tech Private Limited

01/2021 – 08/2021

**Role:** BI Developer – ERP Platform

- Maintained and optimized SQL Server databases for ERP system
- Developed and maintained SSRS reports and dashboards for business analytics
- Implemented automated data quality checks and monitoring solutions

## Education and Training

- 2014–2018 — Bachelor of Technology, Rajasthan Technical University (Kota, India)
- Microsoft Certified: Azure Data Engineer Associate (In Progress)
- SQL Server Administration and BI Platform Management (Self-Paced)

## Languages

- English — Professional working proficiency
- Deutsch — Beginner (A1 level, actively improving)

## Location

Nuremberg, Germany (willing to travel to Coburg for on-site meetings)