

# Shivam Deshwal

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.NET Core | C# | Angular | React | SQL Server | MongoDB | Docker | Jenkins | AWS | Azure | Microservices

## Personal Summary

**Senior Software Engineer** with a proven ability to lead cross-functional teams, drive project success, and foster collaboration. Skilled in **.NET Core** and **Angular**, with a focus on delivering scalable solutions and optimizing team performance in fast-paced environments.

## Experience

**Intelliflo (Subsidiary of Invesco)**  
**Senior Software Engineer**

**February 2023 to August 2025**

- **Led teams through software development projects**, ensuring timely delivery and improving team efficiency by 25%. Implemented effective communication strategies, aligning projects with stakeholder requirements and increasing customer satisfaction by 30%.
- **Developed and maintained robust backend systems using C#, .NET Core, and SQL Server**, and optimized API performance to meet SLA requirements, resulting in a 30% improvement in system performance.
- **Designed and implemented responsive frontend applications using Angular and React**, enhancing user engagement by 25%. Collaborated with cross-functional teams to gather requirements and ensure successful project delivery, achieving a 95% client satisfaction rate.
- **Maintained and optimized databases**, ensuring consistency between APIs and the database, improving system performance and robustness by 35%. Utilized AWS services for cloud infrastructure and deployment tasks, reducing deployment times by 20%.
- **Spearheaded system design** efforts during PI planning, converting client requirements into detailed technical solutions, including Low-Level Design (LLD) and High-Level Design (HLD). Designed new journey flows for advisers, integrating them with other applications to streamline processes.
- **Configured and maintained basic Jenkins pipelines** to automate build and deployment processes for small-scale projects.

## AVL

**August 2019 to February 2023**

**Senior Software Engineer**

**Built robust backend services and APIs using .NET Core**, supporting front-end functionality and integrating with third-party platforms, resulting in a 30% increase in system efficiency. Developed scalable architectures, enhancing flexibility and reducing maintenance costs by 20%.

- **Designed and implemented dynamic user interfaces using Angular.js**, improving user satisfaction scores by 25%. Reorganized large datasets in MongoDB, enhancing query performance by 40% and maintaining data integrity.
- **Implemented microservices using REST APIs**, enabling horizontal scalability and reducing system downtime by 15%. Utilized the NUnit framework for unit tests, ensuring code reliability and reducing production bugs by 35%.

## Skills

• <b>Languages:</b> C#, TypeScript, JavaScript, HTML, CSS
• <b>Frameworks:</b> .NET Core, EF Core, Hibernate, Angular, React
• <b>Databases:</b> SQL Server, MongoDB
• <b>Tools &amp; Platforms:</b> Docker, Jenkins, Git, GitHub Actions, AWS, Azure, Microservices
• <b>Soft Skills:</b> Team Leadership, Agile Methodologies, Time Management, Public Speaking

## Projects

### Intelliflo Office – financial advisory platform

- Intelliflo Office is a cloud-based business management platform tailored for financial advisory firms. It streamlines client management, compliance, and reporting through a unified interface. The platform supports integration with various third-party financial tools and services, offering a scalable and secure environment for advisors to manage client portfolios and regulatory obligations.
- **Designed and developed RESTful APIs** using **.NET Core** to support scalable and secure financial data operations, ensuring high availability and performance.
- **Integrated third-party services**, including risk questionnaires, identity providers, and financial data aggregators, to enhance platform capabilities and client experience.
- **Led performance tuning** initiatives by profiling and optimizing critical API endpoints, reducing average response time by over 40%.
- **Stabilized a legacy monolithic application**, resolving long-standing concurrency and memory issues, and improving system reliability.
- Contributed to the strategic **migration from a monolithic architecture to microservices**, including domain decomposition, service boundary definition, and containerization using Docker.
- **Implemented the CQRS pattern** to separate read/write operations, improving the scalability and maintainability of core modules.
- **Collaborated with QA and DevOps** teams to automate testing and CI/CD pipelines, ensuring smooth deployments and minimal downtime.

### AVL M.O.V.E PM PEMS IX

- APC is a portable, high-precision emission measurement system developed by AVL for real-world, on-road testing of particulate matter (PM) emissions. It is designed to meet stringent global emissions regulations, including those from the US EPA for heavy-duty in-use testing (HDIUT).
- **Developed backend services** using **.NET Core 3.1** and **MongoDB**, enabling robust data storage and retrieval for high-volume automotive test data.
- **Built dynamic front-end interfaces** with **Angular 8**, offering intuitive process flow visualizations and user-friendly dashboards.
- **Integrated real-time data streams** using **RabbitMQ** for message passing between distributed microservices during live vehicle testing.
- **Configured user roles and access control** via **Keycloak**, enabling secure authentication and authorization for AVL users.
- **Implemented multilingual support** using **Weblate**, allowing seamless switching between German, English, and French.
- **Containerized the application** using **Docker**, ensuring consistent deployment across environments.
- **Managed source control and CI/CD pipelines** using **TFS**, streamlining development and release processes.
- **Enabled API-based communication** between APC and external systems, facilitating smooth data exchange and system interoperability.

## Awards

- **Intelliflo Monthly Award**: Honored with this award for optimizing performance of a API call which was giving time out and optimize it to fall under SLA.
- **Intelliflo Quarterly Award**: Recognized for consistently maintaining high performance throughout the quarter, culminating in the successful resolution of all critical Wealth Link feature release defects.
- **AVL Yearly Award**: Honored with this award for maintaining a good KPI for development.

## Education

### Chandigarh University

Bachelor of Engineering: Computer Science  
Chandigarh

August 2015- January 2019