

SUNIL KUMAR

Full Stack Engineer — .NET / C# · React · Cloud · AI

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SUMMARY

Full stack engineer at Optum building enterprise systems end-to-end — .NET / C# back ends, React front ends, microservices and APIs on the cloud. Strong backend and architecture experience: Clean Architecture, event-driven systems, secure authentication (OAuth 2.0, JWT, Azure AD SSO), and SQL performance tuning. Uses AI-assisted development to move faster without sacrificing quality.

EXPERIENCE

Full Stack Engineer · Optum

Jul 2026 — Present

- Contributed to development of a healthcare appeals and grievance tracking system utilizing .NET, Angular, and microservices architecture
- Implemented generative AI solutions to enhance user experience and streamline processes
- Collaborated in an Agile environment, ensuring timely delivery of high-quality software products
- Leveraged SQL and SSMS for efficient database management and data retrieval

Senior Software Engineer · In Time Tec

Prior — Jul 2026

- Improved API performance by ~100% in relevant services
- Cut manual HR reporting effort by ~70% through automation
- Reduced operational effort ~50% for insurance workflows
- Built secure authentication (OAuth 2.0, JWT, Azure AD SSO) and event-driven systems with RabbitMQ
- Shipped Power BI dashboards and adopted AI-assisted refactoring

PROJECTS

Idaho Digital Learning Alliance — Modernized architecture for a statewide online-learning platform: .NET 10 Web API microservices with a React front end, hardened with OAuth 2.0, JWT, and SSO — secured secrets in AWS, cached with Redis, validated with FluentValidation and Serilog.

HRMS Management System — Enterprise HRMS built on .NET 8 microservices with Clean Architecture and database-per-service, fronted by React. Azure AD JWT auth, RabbitMQ event-driven background workers, Power BI reporting, and generative-AI-assisted development.

Insurance Order Management — BCI — Backend services for insurance order workflows at Blue Cross of Idaho — customer records, policy document delivery, and workflow automation on Java / Spring Boot with SQL tuning.

SKILLS

Backend & Architecture: C#, .NET 8 / .NET 10, ASP.NET Core Web API, Entity Framework Core, Microservices, Clean Architecture, SOLID, Repository Pattern, Event-Driven Architecture, Background Workers

Frontend: React, JavaScript, Angular, REST API integration

Data & Messaging: SQL Server, Stored Procedures, SQL Optimization, RabbitMQ, Redis, Power BI

Cloud & Security: AWS, AWS Secrets Manager, Docker, OAuth 2.0, JWT, Azure AD, SSO

Java & AI: Java, Spring Boot, Generative AI, Prompt Engineering, GitHub Copilot, Cursor

ACHIEVEMENTS & PROGRAMS

- 2nd Runner-Up — RTU Hackathon 2021, out of teams across Rajasthan Technical University; ₹16,999 cash prize
- Internal Hackathon Winner — In Time Tec, first place among ~250 trainee engineers; contributed to early promotion to Junior Software Engineer
- Scaler Academy — completed the Full Stack Engineer program, strengthening system design and full-stack depth