

Garv Goel

SOFTWARE ENGINEER

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• [LeetCode](#)

EXPERIENCE

Software Engineer 2 — [MAQ Software](#)

Mar 2026 – Present

- Leading feature development and system enhancements on a large-scale legal spend management platform, owning end-to-end delivery from design to production deployment.
- Architecting new product functionalities in C# / ASP.NET Core, translating client requirements into scalable backend solutions with a focus on performance and code quality.
- Led code reviews and architecture improvements to reduce technical debt and improve development velocity.

Software Engineer 1 — [MAQ Software](#)

Jul 2024 – Feb 2026

- Conducted a POC that directly **secured a major client engagement** — evaluated technical feasibility of migrating a legacy legal spend platform, leading to project onboarding at MAQ Software.
- Reduced SQL query execution time from **3h 40m to 2.5 minutes (98%+ improvement)** by rewriting critical queries on a 90M+ record dataset, eliminating daily processing bottlenecks.
- Led migration of an Electron-based Office Add-in to a React-based Office Web Add-in over a 3–4 month team effort, modernizing the frontend stack and improving cross-platform compatibility.

Associate Software Engineer (Internship) — [MAQ Software](#)

Jan 2024 – Jul 2024

- Built an Azure-based ingestion pipeline using ADF + ADLS to process recurring Excel uploads into SQL Server and developed a supporting internal .NET web application.
- Enhanced an internal .NET application with upload workflows, filtering, and JavaScript-based business rule handling for ingested documents.

PROJECTS

MediRoute — Real-Time Hospital Resource Navigator

2026 · Ongoing

Stack: C# · ASP.NET Core 8 · SignalR · EF Core · React 18 · TypeScript · Tailwind CSS · JWT · Leaflet · xUnit

- Built a hospital discovery web app that helps patients find nearby hospitals with available ICU beds, OTs, and specialists, ranking results on a weighted score of availability and distance.
- Designed the backend in ASP.NET Core 8 with EF Core, SignalR groups for live updates without polling, JWT auth with refresh tokens, in-memory caching, rate-limited endpoints, and Serilog structured logging.

Vishvakarma — Autonomous Dev Agent

2026 · Ongoing

Stack: TypeScript · Node.js · React 18 · Express.js · Socket.io · SQLite · GitHub Models API · Jira / Bitbucket / Azure DevOps APIs

- Built an autonomous Spec-Driven Development (SDD) agent that watches Jira boards, auto-generates feature specs from tickets using LLMs, scaffolds implementation, and raises PRs — with human approval only at key gates.
- Designed a 7-step pipeline: spec generation → implementation plan → task breakdown → code scaffolding → branch creation → PR → ticket sync across Jira, Bitbucket, and Azure DevOps.
- Built a real-time sprint dashboard using React 18 + Socket.io, giving engineering leads full pipeline visibility with live status updates and human-in-the-loop approval gates.

SKILLS

Languages	C#, Python, TypeScript, JavaScript, SQL, C++
Backend	ASP.NET Core, Node.js, Express.js, REST APIs, Stored Procedures, System Design
Frontend	React 18, TypeScript, Tailwind CSS, Office JS Add-ins
Cloud & Tools	Azure (ADF, ADLS), SQL Server, Git, Azure DevOps, CI/CD, Jira, Bitbucket
CS Fundamentals	Data Structures & Algorithms, OOP, DBMS, Operating Systems, Performance Optimization

EDUCATION

B.Tech in Computer Science & Engineering

Jul 2020 – May 2024

Dr. B. R. Ambedkar National Institute of Technology, Jalandhar — Punjab, India

- Coursework: Data Structures & Algorithms, DBMS, Operating Systems, System Design, OOP, Software Engineering.
- Competitive Programming: **LeetCode Knight** | 1000+ DSA problems solved | Scored **99.38 percentile** in JEE Mains 2020.