

# SMITKUMAR KOTADIA

## Senior Software Engineer & Tech Lead

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### Professional Summary

Innovative Senior Software Engineer & Tech Lead with over 7 years of experience delivering scalable, high-performance cloud applications. Expert in bridging traditional software excellence with modern Generative AI ecosystems, specifically utilizing MCP (Model Context Protocol) concepts and AI-assisted development tools like Claude Code, GitHub Copilot, and Codex to accelerate delivery while maintaining architectural integrity. Proven track record in building robust REST APIs, microservices, and AI-driven automation workflows within Agile environments.

### Work History

#### Technical Lead - Software Engineering, Tyler Technologies 07/2022 – Present | Toronto, ON

- Developed AI automation workflows with REST APIs and .NET Core, reducing manual effort by 35% and improving response speed by 25%
- Integrated Generative AI tools into the SDLC, improving coding productivity by 25% and reducing review time by 30%
- Upgraded enterprise apps to Angular 18, optimizing TypeScript and RxJS to improve performance and reduce redundant API calls
- Designed and implemented CI/CD pipelines using GitHub Actions and YAML, enabling faster, more reliable releases for cloud-based services
- Guided a team of 5 developers and interns, promoting technical excellence, code quality, and continuous improvement
- Analyzed and proposed technical solutions based on customer requirements, balancing performance, scalability, and maintainability
- Partnered with product managers and UX designers to deliver intuitive, feature-rich applications that exceeded client expectations
- Reviewed code regularly, improving software quality, maintainability, and team coding standards

#### Software Engineer, Seneca College 02/2021 – 06/2022 | Toronto, ON

- Built ML solutions with Python, Pandas, and NumPy to deliver statistical analysis and improve quantitative decision-making
- Conducted data preprocessing and feature engineering to improve model input quality
- Designed PoC components to validate feasibility, benchmark performance, and support architecture decisions
- Led research discussions on project updates, technical challenges, and iterative improvements
- Documented findings and presented technical insights to stakeholders for decision support

#### Software Developer, TatvaSoft 01/2018 – 12/2020 | Ahmedabad, IN

- Collaborated with development and testing teams to deliver scalable, high-performance solutions aligned with client requirements
- Delivered projects on time by prioritizing tasks effectively and managing workloads across multiple deadlines
- Wrote maintainable .NET and MSSQL code, reducing defects by 25% and improving long-term system extensibility
- Managed priorities effectively, achieving 95% on-time delivery while maintaining quality across client projects
- Delivered training for customers and technical staff, improving product adoption and technical enablement
- Defined CI/CD, branching, and merging strategies, reducing release issues by 30% and improving delivery speed by 25%
- Modified existing software to correct errors, upgrade interfaces and improve performance
- Mentored junior developers through code reviews, technical guidance, and hands-on training to improve team delivery
- Translated client requirements into application designs and system requirements

### Education

#### Computer Science: Computer Programming, Seneca College of Applied Arts and Technology 01/2021 – 04/2022 | Toronto, ON

Received President's Honour List in recognition of outstanding academic performance and received 4.0 GPA in the summer 2021 intake at Seneca.

#### Bachelor of Science: Computer Engineering, Charusat University 08/2014 – 04/2018 | Anand, Gujarat

### Expertise

#### AI & LLM Integration

Generative AI, Model Context Protocol (MCP), OpenAI & Gemini APIS, AI Agent frameworks, prompt engineering, Claude Code, Codex, AI workflow automation

#### Cloud & DevOps

AWS (IAM, Lambda, EC2), Azure, Docker, CI/CD (GitHub Actions, YAML), Datadog (monitoring, tracing, performance tuning), infrastructure automation

#### Database

SQL Server, MySQL, DynamoDB, Elasticsearch, data modeling, query optimization

#### Backend & APIs

C#, .NET (Core & Framework), Node.js, Laravel, Python (Pandas, NumPy), RESTful APIs, WebAPI, microservices architecture, Entity Framework

#### Frontend

Angular, React, Next.js, Vue, Nuxt, TypeScript, JavaScript, RxJS, NgRx, advanced state management, responsive UI development

#### Core Proficiencies

System design, scalable architecture, data structures & algorithms, SOLID principles, design patterns, SDLC, Agile/Scrum, debugging, performance optimization, API integration, team collaboration (Git, SVN, JIRA)

### Key Skills

Generative AI, MCP, OpenAI, Gemini, REST APIs, Microservices, .NET Core, C#, Angular, Next.js, Node.js, TypeScript, System Design, CI/CD, GitHub Actions, AWS, Azure, SQL Server, DynamoDB, Performance Optimization, Agile/Scrum, Technical Leadership