

TANISHPREET SINGH SIDHU

(pronounced: Taniš)

B.Tech**Software Engineering, Business Analysis, Project Management**
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PROFESSIONAL SUMMARY

Software Engineer with over **7 years of experience** in FinTech, combining **strong software engineering expertise with project and delivery management**. I have a proven track record of **leading global teams of Developers and Business Analysts, implementing and supporting complex enterprise product, and working directly with clients** to manage timelines, releases, and system stability. My core is C#/.NET and SQL, but my focus and passion is the intersection of FinTech domain knowledge and **AI engineering**. I build AI-enabled applications, design agentic workflows, and ship tools that automate real problems end to end. I'm currently based in **Serbia with valid residence and work authorization** without the need for any Visa sponsorship.

PROFESSIONAL EXPERIENCE

ODESSA (FinTech, Consulting & Asset Finance Platform)**Technical Lead** – Enterprise Customer Support – (April 2025 – Present)**Staff Engineer** – Enterprise Customer Support – (April 2024 – March 2025)**Senior Software Engineer** – Delivery Engineering – (April 2022 – March 2024)**Software Engineer** – Delivery Engineering – (June 2020 – March 2022)**Intern** – Software Engineering – (June 2019 – May 2020)*June 2019 – May 2026*
Bengaluru, Karnataka, India
Belgrade, Serbia

- **Spearheaded globally distributed team** of developers and business analysts across **India, Serbia, and the U.S** to manage **delivery planning, project implementation, software delivery and stakeholder alignment**. Addressed application defects, & designed innovative dashboards using **Microsoft Power Automate** and **JIRA**, delivering real-time financial analyses for **clients with revenues exceeding \$5 billion**.
- Acted as a **client-facing technical lead for enterprise customers**, handling **deliverables, timelines, and governance calls** for multiple clients like **Hewlett Packard Enterprise (HPE), GE Capital, TD Bank, Canon Financial Services**, and high-profile European firms like **Haydock Finance, Asset Alliance Group, Volvo Financial Services** etc., demonstrating **exceptional client interaction and project management skills**.
- **Owned development activities**, performing **deep debugging and root cause analysis** for complex technical defects using **C# and Microsoft Visual Studio**, fixing **accounting and financial data issues** to correct transactional discrepancies and ensure **financial integrity**.
- **Led quality focused engineering initiatives** across all deliverables by enforcing **unit testing, code reusability standards, and rigorous peer code reviews**, ensuring clean, maintainable, and production ready code. This quality first approach resulted in **near zero defects in newly delivered features**, significantly improving system stability and reducing post release issues and rework.
- Performed **in-depth data analysis and performance optimization using SQL**, including analysis, design, and refactoring of complex **Stored Procedures**; used **SQL Profiler and execution plans** to identify bottlenecks, optimize queries and indexing strategies, and improve system performance by **up to 70%**, significantly reducing turnaround time for business transactions and workflows.
- **Drove DevOps and release management activities on Azure**, maintaining **CI/CD pipelines**, managing **deployments across environments**, supporting **versioned releases**. Prepared **manual release content**, executed **controlled manual releases** when automation was not feasible, ensuring **rollback readiness**, and collaborated with **CloudOps teams** to deploy **stable releases with minimal downtime**.
- **Owned API troubleshooting and integration support**, using **Postman** to analyze requests/responses, diagnose API defects, and resolve integration issues raised by clients. Actively supported client teams in **integrating Odessa APIs into their business workflows**, validating payloads, and ensuring reliable, secure, and seamless inbound and outbound integrations.
- **Drove product migrations, upgrades, and new feature development**, working through code integrations, testing cycles, and release readiness. Actively supported **performance and unit testing**, partnered with business teams during **UAT**, and ensured smooth adoption of upgraded solution
- **Contributed to internal AI initiatives** by collaborating with cross functional teams exploring integrations with strategic external AI vendors like **ABBY and ZEST** to improve client usability and operational efficiency, including **AI-assisted contract summaries** and smarter user validation guidance.
- Effectively leveraged tools like **Claude Code, Cursor, and Codex** as productivity aids for development, applying them judiciously alongside core technical expertise, and also spearheaded the integration of AI agentic tooling into daily workflows within the team to enhance development efficiency.

EDUCATION

CHITKARA UNIVERSITY (CGPA: 9.17)

Bachelor of Technology – BTech, Computer Science

2016 – 2020

Rajpura, Punjab, India

GIAN JYOTI GLOBAL SCHOOL | THE BRITISH SCHOOL (CGPA: 10.00)

High School – 10th to 12th Standard

2014 – 2016

Chandigarh, India

PROJECTS & ENGAGEMENTS

- **Support Agent** – An autonomous support agent prototype that runs as an agentic loop, classifies incoming tickets, retrieves evidence from docs and past resolutions, and drafts cited answers using DeepSeek. (Source Code: <https://github.com/tanishsidhu/SupportAgent>)
- **Payload-Gen** – Designed a natural-language-to-API-payload system combining RAG (retrieves the correct schema at request time) with a fine-tuned 3B model (generates valid JSON or refuses invalid requests), achieving ~95% payload validity on unseen specs demonstrating an on-prem, low-cost alternative to frontier models for high volume enterprise API use. (Source Code: <https://github.com/tanishsidhu/payload-gen>)
- **Pokrit** – AI SaaS that scans job boards to match listings against a user's résumé, delivering a daily email digest of best-fit roles with fit scores, auto-generated cover letters, and skill-gap suggestions. Next.js/Vercel frontend, C# .NET 8 Azure Functions backend, Supabase (Postgres, auth, storage), and Paddle subscription billing. (WebSite: <https://pokrit.vercel.app/>)
- **PeakOrLow** – Market briefing web app built in C# and ASP.NET Core, integrated with the Anthropic Claude API. The project demonstrates practical skills in AI API integration and agentic development workflows. (Source Code: github.com/tanishsidhu/PeakOrLow. WebSite: peakorlow.azurewebsites.net/)
- **OpenClaw Skill** – An OpenClaw agent skill inspired by my own project Pokrit, to automate job discovery across LinkedIn, Poslovi Infested, and HelloWorld.rs. Scrapes live listings, scores each role against your resume using DeepSeek (or any configured LLM), and delivers a structured digest. (ClawHub: clawhub.ai/tanishsidhu/job-search-skill)
- **Odessa Launchpad** (Odessa's Product Innovation Program) – Contributed to the program, focusing on market strategy to establish a presence in the Middle Eastern finance and leasing market (Islamic Banking), including the development of a localized prototype of the Odessa application.
- **Chitkara Incubator** (University's Entrepreneurial Program) – Presented an idea for a comprehensive e-commerce platform capable of delivering bulk goods. Collaborated with angel investors, market researchers, and a team of developers to evaluate the business potential and feasibility.

SKILLS & COMPETENCIES

Programming and Framework: C#, VB.NET, SQL, Azure, Entity Framework, HTML, JavaScript, Python, APIs and Postman

AI & Agentic Tooling: Claude Code, Cursor, Codex, Google Antigravity, OpenClaw, Hermes

Cloud & DevOps: Azure, GIT, TFS, Visual Studio

Data Analysis, Visualization, & Collaboration: Microsoft 365, Power Automate, JIRA, ServiceNow, Confluence

AWARDS & CERTIFICATIONS

- **Building with the Claude API** – Certified by Anthropic
- **Claude Code in Action** – Certified by Anthropic
- **Foundations of Project Management** – Certified by Google and Coursera
- **SQL** – HackerRank Skill Certification
- **Artificial Intelligence Essentials** – LinkedIn Learning Program
- **Data Structures & Java** – Certified by Coding Ninjas

LANGUAGES

- **English** – Full Professional Proficiency
- **Hindi** – Native Proficiency
- **Punjabi** – Native Proficiency
- **Serbian** – Learning