Akshant Jain

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PROFESSIONAL SUMMARY

Software engineer with 5 years of experience building AI agents and the data products behind them. I lead BI analytics at DataGOL, where I built the analytics engine end-to-end and overhauled DAVE, its flagship AI agent, using an evaluation system I designed. Employee of the Year 2024.

PROFESSIONAL EXPERIENCE

InnCreTech LLC, Princeton, NJ Oct 2021 – Present

Software Engineer (Oct 2023 – Present) | Programmer Analyst (Oct 2021 – Oct 2023)

Software company building and supporting the three platforms below; I worked on all three, often at the same time.

DataGOL *(AI-native data and agents platform) — BI Analytics Lead (Oct 2023 – Present)*

- Launched DataGOL's first AI analytics agent, turning plain-English questions into visualizations and reducing new clients' reliance on training and manual analysis.
- Overhauled its successor, DAVE (Data Analytics & Visualization Engineer), now DataGOL's flagship proprietary agent, lifting answer quality on general use cases from 2–3 to 4.1/5. Kept tuning it on real-user edge cases, re-running evals after each change.
- Cut DAVE's response time on simple data questions from 45–60 to about 15 seconds via context engineering of its prompts, skills and tool calls.
- Implemented a self-correcting feedback loop with tool-call validation, so DAVE catches and fixes visualization errors in milliseconds before users see them.
- Created an LLM-as-a-judge eval pipeline with a golden dataset of real client questions, scoring DAVE on 11 criteria before every release to catch regressions.
- Benchmarked DAVE across 4 LLMs on answer quality, latency and cost, and wrote a report to help clients choose which model to run.
- Cut AI shopping assistant response times by ~55–60% (12–16s to 5–7s) by optimizing the agent harness during a two-week POC, helping secure a 2-year client contract.
- Engineered the Java query layer behind DataGOL's BI module, generating dialect-specific SQL for 4 databases and cutting new-database integration from 1 week to 1–2 days.
- Designed one visualization format (charts, tables, pivots, KPIs) shared by the no-code builder and AI agent, so new features ship to both in days.
- Retained a key client by delivering Tableau-style advanced calculations (LOD expressions) on a tight deadline, and added cohort analysis along the way.
- Lead a 4-person BI team, run client demos, and trained a teammate who now leads BI testing; BI is the platform's most-used feature.

TermGrid *— debt financing platform for private capital (1,600+ institutions, 30,000+ professionals) (Oct 2021 – Present)*

- Prototyping an AI agent that reads financial documents and fills in the data automatically.
- Built the Relationship Management Dashboard, bringing platform-wide data on each lender or sponsor firm into one view; it's widely used and helped win clients.
- Migrated the data room (secure document sharing for deals) to React, planned easier navigation for deeply nested folders, and designed its NDA and encryption features.
- Implemented the interface for Precedents, which lets users compare terms across deals and term-sheet versions, and partnered with the backend team on its design.
- Rewrote the loan allocation and fee screens to make them much faster.
- Collaborated on the AngularJS-to-React migration from day one, delivering twice my assigned share within 3 months; pages loaded 55% faster with 65% fewer server calls.

CO-AM *(formerly Link3D, acquired by Materialise for $33.5M) — additive manufacturing platform (Jan 2022 – Jan 2024)*

- Built material management end to end for 3D print jobs: tracks stock and batches, forecasts material for scheduled jobs, and alerts when stock runs low.
- Developed, with two teammates, the React component library for moving the platform from Angular to React, required as part of the Materialise acquisition.

PROJECTS

Repolane — open-source tool for AI coding across multiple repositories repolane.dev | Sep 2026

- Designed a Git-worktree-based workspace model that groups multiple repositories under one task, enabling concurrent, task-scoped Claude Code sessions with shared progress context.
- Built a Python rules engine integrated with Claude Code hooks to inspect tool calls and deny disallowed operations, including access to recognized secret files, unrelated task workspaces, and protected branches.
- Added a 184-case automated regression suite and live self-checks to verify guardrail behavior and detect configuration regressions.

Personal AI runtime and CLI (private)

- Created my own terminal AI coding assistant (Python, LangGraph) with sandboxed actions, approval for changes, support for multiple AI models, and undo for any step.

TECHNICAL SKILLS

AI & Agents: Agent design, context engineering, tool calling, self-correcting feedback loops, guardrails, agent evals (LLM-as-a-judge, golden datasets, regression testing), LangGraph, LangSmith, LangChain, MCP, Claude Code hooks, RAG

Languages: Java, TypeScript, Python, JavaScript, SQL, Bash

Frontend & Data: React, Next.js, AntD, data visualization and dashboards, Spark, BigQuery, Athena, Snowflake, PostgreSQL, MySQL, Redis

Tools & Infrastructure: Playwright, Docker, GitHub Actions, GCP

EDUCATION AND RECOGNITION

University of Illinois at Chicago, *Chicago, IL* May 2021

- Bachelor of Science in Computer Science, Minor in Mathematics. Dean's List (Fall 2019, Spring 2021).
- **Employee of the Year 2024**, InnCreTech LLC, for leading the BI analytics module and helping win new clients.