NANDINI KANSAL

Software Engineer · Agentic Systems and Platform Infrastructure

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Platform engineer at GoDaddy and former founding CTO of an agentic reliability platform. I build agent systems end to end (agent pipelines, tool use, memory, trajectory evals) and ship the orchestration that keeps them reliable in production.

EXPERIENCE

Software Engineer | GoDaddy, Airo platform *May 2024 to Present · Remote*

- Cut per app infrastructure cost 75% for the archived fleet by shipping cold hibernation end to end: a two tier archive and restore system for inactive apps, orchestrated with AWS Step Functions across four services, with backup validation gates, cross cell restores including secret migration, distributed restore locking, and indefinite retention guarantees.
- Raised service test coverage from 70% to 90% with pull request level enforcement, and wrote the team testing runbook that made the bar stick.
- Prototyped a Runbook Agent at a company hackathon: an LLM agent that reads live incident context and proposes remediation steps grounded in team runbooks, built with the network operations team to reduce incident cycle time.

Chief Technology Officer | Overcast *November 2025 to April 2026*

- Founding CTO of an autonomous production reliability platform, built from zero in six months: agents that ingest logs, traces, and metrics from in app SDKs, detect and diagnose incidents, perform root cause analysis with an evidence timeline, and open GitHub pull requests containing the fix.
- Designed and built the LangGraph agent pipeline (metric intelligence, distributed correlation, log analysis, anomaly detection, evidence selection, remediation) with a quick check gate and model routing that held LLM cost to roughly $0.004 per automated incident.
- Built the entire infrastructure and product surface: FastAPI backend, PostgreSQL and Redis on AWS, Docker deployment on EC2, a React and TypeScript dashboard, multi tenant authentication with team roles, Python SDKs, and GitHub, Jira, Prometheus, and CloudWatch integrations.

AR and VR Developer Intern | Audax Labs *Summer 2023 · Frisco, TX*

- Built AR and VR applications in Unity with computer vision features, delivering interactive experiences with a cross functional team.

PROJECTS

Soma | founder and sole engineer · usesoma.app *2025 to Present*

- An agentic personal OS: a multi step agent loop on the Claude API with tool use, model routing, and per run budget caps; long term memory via contextual retrieval; and a nightly learning agent. React Native client, Supabase backend, plus a hardware companion that physically reflects agent state.
- Built a trajectory eval harness that grades tool selection, argument correctness, and end state separately across 100+ nightly agent runs, catching silent failures that end to end checks passed, such as runs that reached the right end state through the wrong tool path.
- Full stack: React Native and Expo client, Supabase backend with realtime events and edge functions, plus a hardware companion (Raspberry Pi) that physically reflects live agent state.

Room 7 | AI education platform *2025*

- Interactive platform teaching AI concepts through narrative driven labs, built solo from concept to working product.

EDUCATION AND CERTIFICATIONS

MS, Agentic AI and Quantum Computing | Georgia Institute of Technology *Incoming, Fall 2026*

BS, Computer Science | The University of Texas at Dallas, with a certification in Data Science

AWS Certified Machine Learning Specialty · AWS Cloud Practitioner · Oracle Certified Java Programmer · Google Machine Learning

SKILLS

- **Agentic systems:** Claude API, LangGraph, tool use and agent loops, MCP, RAG and contextual retrieval, prompt caching, evals (code graded, model graded, trajectory), context engineering
- **Infrastructure:** AWS Step Functions, EC2, EKS and Kubernetes, Docker, Elasticsearch, Nomad, CI enforcement, incident response
- **Languages and stack:** Python, Go, TypeScript and JavaScript, Java, SQL; FastAPI, React and React Native, Node.js, Supabase and Postgres, Redis, MongoDB