

Bibek Shrestha

AI ARCHITECT

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Springdale, AR (Remote)

PROFESSIONAL SUMMARY

AI Architect with 7 years in customer-facing solutions engineering and architecture. At ThoughtSpot, owns enterprise AI architecture and its security layer (RLS, ABAC, multi-tenant isolation) and builds AI agents and internal tools that speed up delivery. Won **\$1.03M in new revenue** from 100+ proofs of concept at Toucan. Builds in the open: creator of MCPpedia (50,000+ MCP servers scored), lead contributor to the Python/FastAPI ThoughtSpot Admin Toolkit, and runs an autonomous multi-agent engineering org on Claude Code. MS Data Science (UNT, 3.91 GPA).

WORK EXPERIENCE

ThoughtSpot Aug 2026 - Present

AI Architect - Customer Outcomes

Remote

- Extends the Solutions Architect scope with an agentic focus: designs and builds AI agents and internal tools that automate and accelerate customer delivery processes
- Continues to own enterprise AI architecture for customer deployments: embedding, semantic modeling, agent APIs and the security architecture underneath
- Received ThoughtSpot's peer-nominated Company Codex Award (SKO, Aug 2026) for the value "We measure time in hours and days, not weeks and months"

ThoughtSpot Jul 2025 - Aug 2026

Solutions Architect

Remote

- Architected enterprise AI and embedded analytics deployments for enterprise clients across retail, financial services, healthcare, and SaaS, owning the technical design from architecture through production
- Designed and shipped an internal AI agent that automates Tableau to ThoughtSpot formula migration, removing a manual, error-prone step from every customer migration
- Owned the security architecture for customer deployments: row-level security, ABAC and multi-tenant isolation
- Built hands-on across the Visual Embed SDK, TML workflows and Spotter Agent APIs, including a Python/FastAPI admin toolkit and a custom embed test harness that cut repetitive setup and testing time for the field team
- Set the internal pattern for AI-assisted delivery, publishing reusable agent tooling, Claude skills and documentation that help the team adopt AI faster

Toucan (Customer-Facing Analytics) Jul 2023 - Jul 2025

Lead Solutions Engineer

Promoted from Solutions Engineer (Nov 2021 - Jul 2023); the results below span both roles

Boston, MA (Remote)

- Designed tailored BI solutions and led proof-of-concept development for 100+ prospects, securing **\$1.03M in new revenue** (typical deal size \$40K-\$120K)
- Orchestrated data integration and governance across Snowflake, BigQuery, MySQL, PostgreSQL, REST APIs and AWS Redshift, ensuring scalable data connections for prospects and clients
- Designed and managed 500+ dashboards across health, finance, retail and eCommerce to deliver actionable insights and support data-driven decisions

Food Safety Net Services

Sep 2019 - Jun 2021

Information Technology Specialist

San Antonio, TX

- Built request processing on Microsoft Power Platform, cutting turnaround from hours to minutes (10x productivity)

PROJECTS

MCPpedia Creator

Open catalog that indexes and scores 50,000+ Model Context Protocol servers on security, maintenance, efficiency, documentation and compatibility, with real CVE scanning and tool-poisoning detection. Also ships as an MCP server on npm (7 tools, stdio and Streamable HTTP), listed on Smithery.

Next.js, Model Context Protocol | Mar 2026 - Present

Pasa Creator

AI travel agent in private beta: Claude gathers trip details in chat, then Gemini 2.5 Flash with Maps grounding generates a route-optimized itinerary, with RAG over past trip memories in pgvector. Prompt-eval framework with 161 graded checks, graders calibrated against a hand-graded gold set, and a baseline-diff gate that blocks prompt regressions. 5,982 tests passing.

Expo/React Native, Supabase, Claude, Gemini, pgvector | Mar 2026 - Present

Photobari Creator

Designed, built and launched solo (~226 commits); live in production. Photo portfolio and private-sharing platform: full-resolution photos, no viewer accounts, images never used for AI training.

Next.js 16, Cloudflare Workers, Neon Postgres, R2 | Aug 2026 - Present

agent-org Creator

Open-source (MIT) Claude Code plugin that generates a CEO-led agent org for any repo: agents, orchestrator, memory, guard hooks, evals, and an autonomy level earned on scorecard evidence. Adopted into Photobari (29 merged agent PRs, 0 reverts).

Claude Code plugin, Python | Oct 2026 - Present

ThoughtSpot Custom Chart Skills Creator

Open-source Claude Code skill that builds ThoughtSpot BYOC custom charts end to end, rendering in a real browser via Playwright and self-critiquing until the render matches; cut building a custom chart from days, if not weeks, to minutes.

Claude Code skill, Playwright

EDUCATION

Master of Engineering Management	Trine University	Expected 2028
MS Data Science	University of North Texas	2023
BS Computer Science	St. Cloud State University	2018

CERTIFICATIONS

Claude Code in Action; Introduction to Model Context Protocol; Introduction to Agent Skills; Building with the Claude API	Anthropic	2026
Certified Platform Engineer; Certified Embedded Developer; Certified Administrator	ThoughtSpot	2025

SKILLS

AI & Agents:	Agentic AI, AI agents, Model Context Protocol (MCP), LLM systems, Claude API, Claude Code, Claude Skills, AI strategy
How I build:	AI-assisted development with Claude Code, specs, automated tests, CI gates, adversarial review, human approval
Engineering:	Python, SQL, TypeScript, JavaScript, Next.js, Node.js / Express, FastAPI, Cloudflare Workers, Playwright, REST APIs, GitHub
Data & Platforms:	Snowflake, BigQuery, PostgreSQL, MySQL, AWS Redshift, ThoughtSpot (Visual Embed SDK, TML, Spotter Agent APIs)