# 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, Claude skills and internal tools that speed up field delivery. Won **$1.03M in new revenue** from 100+ proofs of concept at Toucan. Builds in the open with AI-assisted development: creator of MCPpedia (50,000+ MCP servers scored), agent-org and the ThoughtSpot Admin Toolkit. MS Data Science (UNT, 3.91 GPA).

### WORK EXPERIENCE

#### ThoughtSpot

Aug 2026 - Present

**AI Architect - Customer Outcomes**

Remote

- Build AI agents, reusable agent tooling and Claude skills that replace slow, repetitive steps in the field team's customer delivery workflows
- Own enterprise AI architecture for customer deployments: embedding, semantic modeling, agent APIs and security (row-level security, ABAC, multi-tenant isolation)
- Won 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 retail, financial services, healthcare and SaaS clients, owning technical design through production
- Set the team's pattern for AI-assisted delivery, publishing reusable agent tooling, Claude skills and documentation that helped the team adopt AI faster
- Built the ThoughtSpot Embed Playground, cutting validation of customer embedding requirements from days to hours and turning call explanations into live, working demos
- Built the open-source ThoughtSpot Admin Toolkit (68 of 92 commits), with content and column-level lineage graphs and a web UI that lets non-technical admins run a terminal-only CS tool
- Created Custom Chart Skills, an open-source Claude Code skill that cut custom chart builds from days, if not weeks, to minutes so customers can build their own

#### Toucan (Customer-Facing Analytics)

Jul 2023 - Jul 2025

**Lead Solutions Engineer**

*Joined as Technical Customer Care (Jun 2021), promoted to Solutions Engineer (Nov 2021) and Lead (Jul 2023); results below are from the Solutions Engineer and Lead roles*
Boston, MA (Remote)

- Led proofs of concept for 100+ prospects, designing tailored BI solutions that secured **$1.03M in new revenue**
- Ran technical deep dives with Account Executives on prospect calls, mapping each prospect's requirements and what Toucan could and could not solve
- Designed and managed 500+ dashboards across health, finance, retail and eCommerce

### 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 scores 50,000+ Model Context Protocol servers on security, maintenance, efficiency, documentation and compatibility, with CVE scanning and tool-poisoning detection. Also ships as an MCP server on npm (7 tools), 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, Gemini with Maps grounding builds route-optimized itineraries, with RAG over past trips in pgvector. Prompt-eval framework: 161 graded checks, graders calibrated to a hand-graded gold set, and a baseline-diff gate that blocks prompt regressions.

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

### Photobari Creator

Photo portfolio and private-sharing platform, live in production: full-resolution photos, no viewer accounts, images never used for AI training. Designed, built and launched solo with AI-assisted development.

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

## 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)