

JAMES (SID) LOSH

Solutions Architect • Applied AI & Enterprise Technology

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CERTIFICATIONS

Google Certified Professional Cloud Architect

Google Build With Vertex AI Technical Expert Badge (50 hrs hands-on: Python, RAG, inference, Colab/Jupyter)

PROFESSIONAL SUMMARY

Enterprise solutions architect specializing in translating complex business problems into technology roadmaps that organizations actually adopt. Operates across the full engagement lifecycle from discovery and architecture through proposal, client close, deployment, and operational support, communicating with engineering teams and executive management. Google Certified Professional Cloud Architect with hands-on AI experience spanning agent design, system prompting, and direct Claude API development. Deep industry expertise across manufacturing, industrial, and building technologies verticals. Passionate about AI's inflection point in enterprise architecture — particularly the emerging role of enterprise data platforms as the intelligent ground truth layer of the modern enterprise.

CORE COMPETENCIES

AI & Machine Learning

Claude API • Claude Code • Azure AI Foundry • Vertex AI
• BigQuery ML • Agent Architecture • System Prompting
• MS Copilot

Cloud Platforms

Google Cloud Platform (GCP) • Microsoft Azure • Amazon
Web Services (AWS) • Hybrid & Multi-Cloud Architecture

Data & Analytics

BigQuery • BigQuery ML • DataProc • DataFlow • MS
SQL • Oracle • MySQL

Languages & Tools

Python • SQL • Bash / Shell Scripting • Terraform •
Docker • Kubernetes

Solutions Architecture

Pre-Sales Advisory • Full-Lifecycle Engagement •
Enterprise Architecture • AIOps / MLOps • Process
Redesign

Domain Expertise

Manufacturing & Industrial • HVAC & Building Technologies
• Data Warehousing • Lean / Process Improvement

PROFESSIONAL EXPERIENCE

WiPro Limited | **Lead Consultant — Solutions Architect** | *Aug 2020 – Present*

- Serve as technical lead and pre-sales advisor for enterprise cloud, hybrid, and AI solution engagements; own the full lifecycle from discovery including architecture, proposal, deployment, and post-deployment infrastructure support.
- Designed enterprise Microsoft Copilot Agent for knowledge transfer: agents built with intentional system prompting, defined document sources, and environment-specific context libraries — enabling junior engineers to resolve complex incidents at senior-level velocity.
- Architected AI-powered code generation agent integrating client environment knowledge and scripting principles to produce production-quality Bash automation scripts, enabling one-shot script generation across diverse enterprise environments without specialist involvement.
- Lead multinational delivery teams across GCP, Azure, AWS, and hybrid infrastructure engagements, partnering with account executives on technical positioning, solution design, and client proposals.

Trane Technologies | **Web Technologies Manager / Solutions Architect** | *Nov 2013 – Aug 2020*

- Provided enterprise solutions engineering and technical consultancy, translating complex operational requirements into architecture recommendations and implementation roadmaps.
- Led pre-sales technical advisory engagements, partnering with commercial teams to architect and propose solutions addressing client infrastructure, application, and integration challenges.
- Guided enterprise system integration decisions, evaluating technology options and recommending architecture approaches across cloud and on-premise environments.

CSC / DXC Technology | **Solutions Architect Consultant** | *Oct 2011 – Nov 2013*

- Client-facing solutions architect in pre-sales capacity: led discovery, architecture design, and technical proposal development across complex, multi-stakeholder enterprise engagements.
- Partnered directly with sales teams to position technology and process improvement solutions, translating client business objectives into actionable technical strategies.
- Delivered systems architecture consulting and application infrastructure advisory across multiple industry verticals.

Ingersoll Rand | **IT Manager & Team Lead, Web Technologies** | *Jun 2002 – Oct 2011*

Led global enterprise IT across manufacturing and climate technologies divisions, spanning field service management, fleet systems, and web technologies for a multinational industrial manufacturer.

AI PROJECTS & APPLIED WORK

Enterprise Copilot Agent Architecture | *WiPro, 2023–Present*

Designed multi-agent system with intentional system prompting, structured document sources (official documentation, environment-specific context, known issue libraries), and targeted deployment for junior engineer enablement. Reduced mean time to resolution and scaled specialist knowledge across the team.

AI Code Generation Agent | *WiPro, 2024–Present*

Architected AI agent integrating client environment knowledge, scripting principles, and automation patterns to generate production-quality scripts on demand. Enables enterprise automation at scale with minimal specialist involvement across heterogeneous environments.

Claude API Video Recommendation System | *Personal Project*

Built end-to-end media recommendation application using Claude API: user preference modeling from submitted reviews, watch list management, and natural language query interface supporting requests such as “Find me a sci-fi psychology thriller with a twist ending.” Demonstrates direct LLM API integration, system prompt design, and user-facing AI product development.

EDUCATION

University of Missouri, Saint Louis • Information Technology, Organizational Communication & Marketing • 2000–2006