

# Principal Solutions Architect Portfolio

Principal Solutions Architect and Field CTO delivering secure AI and cloud platforms for Healthcare and Life Sciences.

Principal Solutions Architect with 25+ years of experience, including 19+ years in Healthcare and Life Sciences, leading cloud, data, analytics, AI/ML, and Generative AI platforms at enterprise scale. Trusted advisor and hands-on builder delivering customer-facing architectures, prototypes, and production systems across AWS, Google Cloud, and Azure. Deep expertise designing and modernizing clinical, digital health, research, and commercial ecosystems with interoperable unified data platforms,...

## About Highlights



### Principal-Level Leadership

Principal Solutions Architect and Field CTO focused on translating executive priorities into secure, scalable platforms across generative AI, cloud, and data ecosystems.



### Hands-On Builder Mindset

Known for combining strategic leadership with hands-on engineering execution, from rapid prototypes to production-grade operating models and reusable architecture blueprints.



### Healthcare and Life Sciences Depth

Deep domain experience across EHR, claims, population health, telehealth, imaging, and omics workloads in regulated environments.



### Multi-Cloud Breadth

Multi-cloud delivery breadth across AWS, Azure, and Google Cloud with emphasis on platform engineering, governance automation, and long-term capability building.

## Core Profile



Principal-level executive and technical leadership in Healthcare and Life Sciences.



Hands-on builder of AI, data, and cloud platform accelerators.



Regulated architecture depth with HIPAA/HITRUST-aligned design patterns.



Multi-cloud execution across AWS, Azure, and Google Cloud.

## Experience Map

2021–PRESENT

Field CTO / Principal Solutions Architect, Global Healthcare & Life Sciences



Enterprise Generative AI Adoption



Commercial Assistant and Platform Patterns



Research and Discovery Acceleration



Enterprise GenAI Accelerators

2007-2021

Principal Cloud and Platform Architect, Leading Academic Medical Center

Platform and Cloud Transformation

Enterprise Data and Analytics Modernization

AI and Research Enablement

Digital Health Programs

Capability Landscape

Executive & Industry Strategy

Strategy • Leadership • HCLS

Cloud Operating Model & FinOps

FinOps • Operating Model • Cloud

Enterprise & Domain Architecture

Architecture • Domain • Modernization

Generative AI Platforms & Orchestration

GenAI • Platform • Agents

Conversational & Multimodal AI

Conversational AI • Multimodal • UX

Enterprise RAG, Search, Semantic, Graph & Vector Systems

RAG • Search • Graph

AI/ML & Advanced Modeling

ML • MLOps • Modeling

High Performance Computing & Research Platforms

HPC • Research • Scientific Computing

Unified HCLS Data Platforms (FHIR, OMOP)

FHIR • OMOP • Data Platform

Modern Data Architectures (lakehouse, warehouse, data mesh, semantic layer)

Lakehouse • Data Mesh • Semantic Layer

Cloud-Native Application Platforms (serverless, Kubernetes, containers)

Kubernetes • Serverless • Cloud Native

Multi-Cloud & Platform Engineering

AWS • Azure • Google Cloud

DevSecOps & Automation (IaC, CI/CD, GitOps, DataOps)

DevSecOps • IaC • Automation

Security, Privacy & Compliance (HIPAA/HITRUST-aligned designs, Zero Trust)

Security • Privacy • Compliance

Commercial & Partner Ecosystems

Commercial • Partnerships • Go-to-market

Customer Engineering & Organizational Leadership

Leadership • Customer Engineering • Execution