



# Cloud Solution Architect – AWS Expertise



## Overall Summary

I am a **Senior Cloud Solution Architect** with 10+ years of cloud experience (9+ on AWS) and 25+ years overall in IT. I specialize in **cloud migrations, serverless architectures, microservices decomposition, and enterprise modernization** across industries including aviation, healthcare, retail, telecom, education, and connected vehicles.

I combine **architecture leadership and hands-on delivery**: driving **Well-Architected designs, 7R migration strategies, multi-account governance, DR/HA patterns, and compliance** while coding APIs, Lambdas, ETL pipelines, and DevOps automation. Skilled across **AWS Serverless, Containers, Data/Analytics, and GenAI (Bedrock, Claude, Amazon Q)**.



## Per-Client Experience (Current → Past)



### Delta Airlines – Team Communication Platform

**Role:** Sr. Cloud Architect | **Jun 2024 – Present**

- Migrating **Team Communication Platform** from Azure to AWS.
- **Core API** (Express + MongoDB) → AWS Lambda/ECS; **MongoDB → DocumentDB, Azure SQL → PostgreSQL**.
- **Admin API** re-designed for **airport → zone → terminal → flight** hierarchy, containerized on ECS.

- Replaced Azure ESB with **AWS MSK/Kafka**; async workflows with **SNS/SQS**.
  - Analytics pipelines: **Kinesis, Glue, Athena, Redshift**.
  - GenAI pilots with **Bedrock (Claude)** for test automation & workflow agents.  
**Impact:** Reduced API latency, improved flight ops reporting, cut infra costs, delivered **Well-Architected landing zone** with DR/HA.
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## Cigna – Virtual Health (MDLIVE/MLive) Modernization

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**Role:** Sr. Cloud Engineer / Architect | **Feb 2023 – May 2024**

- Migrated **MDLIVE/MLive portal** endpoints (iOS/Android, React Native front end) to AWS.
  - Converted HL7 payloads → **FHIR-compliant APIs** on **API Gateway + Lambda**.
  - Built serverless middleware for provider APIs using Node.js.
  - Added AI modules for anxiety/stress analytics; integrated Redshift/Athena for health reporting.  
**Impact:** Reduced patient-facing latency, enabled **FHIR interoperability**, improved behavioral health insights.
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## Taco Bell – HR Applications Migration

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**Role:** Sr. AWS Developer / Architect | **Dec 2022 – Feb 2023**

- Migrated **restaurant HR legacy apps** into AWS event-driven services.
- Decomposed employee data flows (profiles, promotions, salary changes).
- Built with **EventBridge, Lambda, DynamoDB**; analytics via **Glue + Athena**.

- Prototyped GenAI HR FAQ bot on **Bedrock**.

**Impact:** Reduced HR reporting lag from hours to minutes, improved reliability of employee event propagation, reduced manual overhead.

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## T-Mobile — Security Analytics with PacBot

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**Role:** Sr. Cloud Engineer | **Jul 2022 – Dec 2022**

- Integrated **asset + security violation feeds** across AWS, Azure, GCP.
  - Mapped violations to governance controls; enriched with asset context.
  - Built ingestion/ETL pipelines via **Glue, Lambda, Python**.
  - Centralized analytics in **Redshift**; ad-hoc queries via **Athena**.  
**Impact:** Reduced compliance report latency by **60%**, enabled automated violation routing, and improved MTTR for security teams.
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## College Board — SAT Exam Platform

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**Role:** AWS Cloud Developer | **Mar 2021 – Jun 2022**

- Modernized SAT registration platform for **millions of high-school students**.
  - Built workflows for **single/bulk registrations, cancellations, reschedules, refunds**.
  - Event-driven: **SNS/SQS, Lambda, DynamoDB** for real-time processing.
  - Reporting: **Glue, Athena, S3** pipelines for compliance and executive dashboards.  
**Impact:** Automated refunds within minutes, supported peak exam cycles, ensured **FERPA/PII compliance**.
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## SiriusXM — Connected Vehicle Services

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**Role:** Sr. Cloud Engineer / Architect | **Sep 2019 – Mar 2021**

- Migrated **legacy Java apps** into AWS **Node.js Lambdas**.
- Used **service locator pattern** for orchestration with multiple OEMs.
- Built **wireless provisioning APIs** integrated with Jasper & Aries networks.

**Impact:** Enabled connected-car services (remote unlock, crash alerts, stolen vehicle tracking) with scalable, event-driven architecture.