

# NEWTON CAZZARO

Principal Cloud Architect  
& Engineering Leader

## CONTACT

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## TECHNICAL SKILLS

### Cloud Platforms

AWS — Lambda, S3, CloudFront,  
EKS, EventBridge, SQS, SNS,  
Transit Gateway, Route53, IAM  
Microsoft Azure (AKS, vWAN, AAD)  
Multi-Account / Landing Zones  
FinOps & Cost Optimization  
HA/DR & Multi-Region Design

### Infrastructure & IaC

Terraform — Expert Level  
AWS CDK  
Docker & Kubernetes (EKS/AKS)  
ArgoCD | Helm Charts  
Platform Engineering | SRE  
OpenTelemetry | Observability

### CI/CD & DevOps

GitHub Actions | GitLab CI  
Jenkins | Automated Testing  
GitFlow | Environment Mgmt

### AI & Emerging Tech

AI/ML Workload Infrastructure  
LLM Integration (OpenAI, Anthropic)  
Vector DB Architecture (Pinecone,  
pgvector) | RAG Pipelines  
Edge Compute Patterns

### Application Architecture

Distributed Systems Design  
Microservices & Event-Driven  
Serverless | API-First Design  
System Design (Large-Scale)  
GraphQL / REST

### Full-Stack Engineering

Python / FastAPI  
React / TypeScript  
PHP / Laravel  
Three.js / WebGL / 3D Web  
PostgreSQL / SQL

### Security & Governance

Zero Trust Architecture  
IAM & Least-Privilege Design  
Network Segmentation  
Identity Federation  
HIPAA / SOC 2 Frameworks

## EDUCATION

### B.S. Computer Science

University of Nevada,  
Las Vegas (UNLV)

## CERTIFICATIONS

AWS SA — Associate  
AWS SA — Professional (In Progress)  
NTT DATA Leadership Program

## LANGUAGES

English & Portuguese — Native  
Spanish — Professional  
Japanese — Conversational

## PROFESSIONAL SUMMARY

Principal-level cloud architect and engineering leader with 10+ years designing enterprise systems at every layer of the stack — from IAM topology and VPC architecture to React interfaces and WebGL rendering engines. Deep specialization in AWS and Azure platform engineering, infrastructure-as-code culture, and AI/ML workload infrastructure. Delivered production systems for Fortune 500 clients including UPS and Toyota, engineered real-time platforms for IndyCar, and architected Smart City infrastructure through NTT DATA. I build systems that survive production at scale, lead the engineering culture that maintains them, and make technical decisions that hold up years later. Trilingual: English, Portuguese, Spanish.

40%

Faster Infra Provisioning

\$25M+

Pursuits Led at NTT DATA

50K+

Users on Platforms Built

Fortune 500

UPS · Toyota · More

## PROFESSIONAL EXPERIENCE

### NTT DATA Americas

May 2023 – Present

#### Senior Cloud Architect & Technical Engineering Leader

Remote / Las Vegas, NV

\$30B+ global IT services firm. Principal technical authority for enterprise cloud transformation programs across healthcare, financial services, manufacturing, and smart venues.

- Designed and governed enterprise cloud foundations on AWS and Azure — implementing multi-account landing zone architectures, Transit Gateway mesh topologies, and identity federation frameworks adopted as organizational standards across client environments.
- Reduced infrastructure provisioning time by 40% through organization-wide IaC standards — Terraform module libraries, Landing Zone templates, and security guardrails that eliminated configuration drift across all delivery teams.
- Architected real-time data platform for IndyCar — engineering the event-driven telemetry ingestion pipeline, stateful processing layer, and sub-second delivery architecture powering live race data at production scale.
- Led cloud architecture for Smart City infrastructure initiative — designing IoT data ingestion, edge compute integration, and real-time analytics pipeline serving municipal operations at scale.
- Delivered multi-year architectural programs for Fortune 500 clients UPS and Toyota — owning technical design, cross-functional stakeholder alignment, and phased implementation plans across complex enterprise environments.
- Established Shift-Left security and engineering maturity standards — introducing IaC enforcement, automated pipeline testing, and OpenTelemetry observability baselines that measurably improved deployment frequency and reduced change failure rates.
- Mentored and elevated mid-level architects — driving trade-off analysis discipline, architecture review rigor, and engineering craft that reduced senior-level dependency on individual delivery.

### NTT DATA Americas

Oct 2020 – May 2023

#### Solutions Architect & Platform Engineer

Remote / Las Vegas, NV

- Orchestrated legacy-to-cloud-native modernization programs — decomposing monolithic systems into event-driven microservices on AWS, improving fault isolation, scalability, and independent team deployment velocity.
- Built a reusable Terraform module library and CI/CD pipeline templates adopted as the de-facto engineering standard — cutting new environment setup from weeks to days across the practice.
- Conducted AWS and Azure Well-Architected reviews — producing risk and remediation roadmaps identifying architectural gaps and generating substantial follow-on engineering work.
- Designed event-driven systems using AWS EventBridge, SQS, and SNS — enabling loosely coupled, resilient architectures with improved fault tolerance across enterprise client environments.
- Architected AI/ML and edge compute infrastructure frameworks — defining the infrastructure layer, SLA models, and integration patterns that operationalized emerging technology in regulated enterprise contexts.