Akhileshwar Reddy **Aendapally**
Cloud Infrastructure & Platform Engineering Executive
Cloud Strategy | Platform Product | Developer Experience | Reliability | Security & Controls | FinOps | AI Platforms
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PROFESSIONAL SUMMARY

Cloud infrastructure and platform engineering leader setting enterprise strategy, operating models, investment priorities, engineering roadmaps, and platform risk posture across AWS, Azure, and GCP. Within Bloomberg's CTO Office, govern a **$153M annual cloud and strategic platform technology portfolio** and set strategy and priorities for a **60+ engineer platform organization spanning seven teams**.

Lead a broad infrastructure and platform portfolio spanning **compute, Kubernetes, networking, identity and access, security, observability, reliability, automation, FinOps, hybrid-cloud integration, and enterprise AI platforms**, while leading **Cloud Developer Platform product strategy, roadmap, adoption, and developer experience**.

Partner with CTO, COO, CFO, CRO, and CISO leadership **to shape technology investment, operational resilience, cloud economics, control posture, enterprise risk, and platform adoption**. Former **AWS Worldwide Senior Solutions Architect and 3× re:Invent speaker**, with experience influencing hyperscaler product strategy and building high-scale distributed platforms.

EXECUTIVE IMPACT

- **Directed investment and operating priorities across the $153M cloud and platform portfolio**, balancing modernization, commercial strategy, risk reduction, and enterprise adoption across hyperscalers and strategic platform investments.
- **Scaled the Public Cloud Platform function from 23 engineers / 4 teams to 60+ engineers / 7 teams,** shaping organizational design, platform roadmap, workforce priorities, and leadership capacity needed to support enterprise growth and execution at scale.
- **Improved developer productivity by 30%, reduced operational overhead by 43%, and cut manual infrastructure requests by ~60%** by transforming fragmented infrastructure delivery into a centralized, API-driven Cloud Developer Platform.
- **Reduced overall cloud costs by 35%** through architecture optimization, forecasting, FinOps governance, hyperscaler negotiations, commitments, licensing strategy, and strategic platform-vendor management.
- **Established the enterprise AI platform foundation for governed LLM and AI-agent adoption**, enabling 6+ business-critical teams to securely productionize AI workloads through standardized model access, networking, retrieval, security, observability, and cost guardrails; extended the Cloud Developer Platform with an **agentic, policy-aware architecture and approval model**, cutting **architecture-to-approved-design from ~2 weeks to under 1 day** for ~90% of standard patterns while routing complex edge cases through the Cloud Governance Council.

LEADERSHIP & DOMAIN EXPERTISE

Cloud & Infrastructure : AWS · Azure · GCP · Hybrid Cloud · Compute · Kubernetes · Networking & Connectivity · Identity & Access · Security · Infrastructure-as-code (IaC) · Observability · SRE · Resilience & Disaster Recovery (DR)

Platform, Product & Engineering : Platform Engineering · Product Leadership · Developer Experience · Engineering Excellence · Self-Service Platforms · Infrastructure Automation · CI/CD · Modernization · AI Platforms

Executive & Operational Leadership : Innovation · Technology Strategy · Portfolio & Roadmap Management · Investment Strategy · Operational Excellence · Cross-Functional Leadership · Organizational Design · Risk & Controls · FinOps · Vendor Strategy · Enterprise Agreements · OKR/KPI/KRI Governance · Executive Communication · Public Speaking

PROFESSIONAL EXPERIENCE

Bloomberg LP, New York, NY. **Nov 2023 – Present**
Title: Office of the CTO – Cloud Platforms & Developer Experience

Lead Bloomberg's enterprise public-cloud platform agenda across AWS, Azure, and GCP, setting strategy, operating model, investment priorities, engineering roadmap, and platform risk posture. Govern a $153M annual cloud and strategic platform technology portfolio across ~450 cloud accounts, spanning infrastructure, developer platform, security, reliability, FinOps, hybrid-cloud integration, and enterprise AI enablement.

- **Transformed Bloomberg's public-cloud operating model** from fragmented, team-by-team infrastructure delivery into a centralized platform with defined shared responsibilities, reusable standards, self-service capabilities, and enterprise governance, allowing product teams to redirect engineering capacity toward business and revenue work.
- **Set the multi-year platform strategy and investment agenda** across compute, Kubernetes, networking, identity, security, observability, developer experience, FinOps, reliability, and AI infrastructure, prioritizing investment and engineering capacity based on business demand, platform risk, adoption, control gaps, and economic value.
- **Scaled the Public Cloud Platform function from 23 engineers / 4 teams to 60+ engineers / 7 teams**, shaping organizational design, platform roadmap, workforce priorities, and leadership capacity while operating through Engineering Managers and Tech Leads to drive execution at scale.
- **Lead product strategy for the Cloud Developer Platform**, defining roadmap, adoption priorities, developer experience, platform capabilities, and golden paths; delivered a **30% improvement in developer productivity, 43% reduction in operational overhead, and ~60% fewer manual infrastructure requests**.
- **Set engineering-excellence, operational-readiness and reliability standards across the platform organization**, covering architecture quality, platform APIs, CI/CD, automation, SLOs, incident/problem management, resilience, lifecycle management, and technical debt; **reduced failed deployments by 32% and MTTD/MTTR by 39%.**
- **Modernized core cloud infrastructure services and hybrid integration**, expanding managed Kubernetes and network-as-a-service capabilities while integrating enterprise PKI, secrets management, hardened image pipelines, identity, security controls, and observability into standardized cloud patterns; reduced cluster maintenance effort by **47%** and cut hybrid connectivity provisioning from **6–8 weeks to 1 day**.
- **Established a policy-driven cloud control and exception-governance model**, embedding security into paved paths through just-in-time access, short-lived workload identity, automated secrets/certificate rotation, and governed images; **enabled business-owned risk acceptance for deviations** with resource-level exception visibility through Wiz, **reducing cloud misconfiguration findings by 40%.**
- **Built Bloomberg's governed AI platform foundation**, enabling 6+ business-critical teams to productionize LLM and AI-agent workloads with standardized access, security, observability, and cost controls.
- **Introduced an agentic, policy-aware architecture and approval model** that **cut architecture-to-approved-design from ~2 weeks to under 1 day** for ~90% of standard patterns, with edge cases routed through manual reviews.
- **Advancing cloud controls from detective to preventive using agentic policy engineering**, converting Wiz findings into governed policy-as-code across enforcement points; **increased preventive-control coverage from ~40% to ~73% and cut finding-to-control time from ~3 weeks to 5 days.**
- **Drive the executive operating cadence across platform, product, engineering, risk, financial, and security KPIs/OKRs/KRIs**, using quarterly/monthly reviews with CTO, CFO, COO, CRO, CISO, business, and engineering leadership to drive investment, roadmap, remediation, and risk decisions.
- **Lead annual budget planning and investment governance across the $153M cloud and strategic platform portfolio**, partnering with Finance and Procurement on demand forecasting, capacity strategy, platform investments, licensing, chargeback/showback, hyperscaler commitments, and enterprise agreements.
- **Built a technology-integration model for acquisitions**, cutting cloud/platform discovery and planning from 3–4 months to ~45 days and accelerating onboarding of acquired businesses onto the enterprise cloud platform.

Amazon Web Services, New York, NY | Title: Worldwide Senior Solutions Architect **Apr 2019 – Nov 2023**

Set technical and industry strategy for AWS's global Advertising & Marketing Technology practice, translating recurring enterprise challenges into product investments, new AWS capabilities, reference architectures, and large-scale modernization programs.

- **Shaped AWS product strategy through 7 business cases and opportunity proposals**, translating industry and enterprise requirements into new capabilities including RTB Fabric, Clean Rooms, Entity Resolution, Identity Center APIs, S3 existing-object replication, Provisioned NAT Gateway, and Resource Endpoints, then driving beta requirements and customer adoption.
- **Influenced the Amazon S3 roadmap by aggregating requirements from ~20 Fortune 100 customers** and quantifying the existing-object replication opportunity; the resulting capability replicated **44,000 PB and generated $500M+ in AWS revenue within 12 months** (S3 Existing-Object Replication Blog).
- **Co-led ideation, customer validation, and delivery of AWS RTB Fabric**, addressing an industry-wide AdTech infrastructure challenge and reducing compute/data-transfer costs by **55%**, with POCs demonstrating up to **95% lower data-transfer costs and 15% customer revenue lift** (Storygize & Sharethrough PrivateLink Blog).
- **Developed high-scale cloud and modernization strategies across compute, networking, data, security, and ML**, including an open-source real-time bidding platform benchmarked at **2M requests/second** and modernization of 19 core customer applications (Open-Source RTB Platform GitHub repository).
- **Led the global AMT Technical Field Community**, shaping technical standards and developing ~45 Solutions Architects into recognized specialists while supporting career progression and promotions.
- **Other AWS Publications & Artifacts:** · ML for CTV Product Placement · GumGum Low-Latency Outposts Architecture · CloudWatch Internet Monitor for AdTech · IAM Identity Center Account-Assignment APIs · AWS re:Invent Talk

Slalom Consulting, New York, NY | *Client: NBC Universal* | Title: Solutions Architect **Jun 2018 – Apr 2019**

- **Led a 12-engineer Azure data-platform modernization and Cloud Center of Excellence** across 25 subscriptions, improving performance 43%, reducing platform cost 39%, and driving 30% cloud-cost savings.
- **Architected hybrid, multi-region Kubernetes and networking at scale** across 160+ clusters, 6,600 nodes, 62,000 pods, 1,300 deployments/day, and 1,200+ developers.

Attunix Corporation, Bellevue, WA | Title: Enterprise Cloud Solutions Architect **Mar 2016 – Jun 2018**

- Led cloud transformation for 32 enterprise customers, spanning Azure migration, DR, backup, networking, identity, and automation; reduced deployment time 76% and supported $8M in annual project revenue.

Infosys Ltd, Bellevue, WA | Title: Microsoft NGVL, Technology Analyst **Dec 2015 – Mar 2016**

- Migrated 15,000 VMs from Hyper-V to Azure, covering networking, identity, automation, and monitoring.

SUNY, NY | Title: Graduate Assistant, IT Services **Aug 2014 – Dec 2015**

- System administration for academic labs, campus networking, and library systems.

Mindtree Ltd, Hyderabad, India | Title: Technical Specialist, MSFT Offshore Development **Jun 2013 – Aug 2014**

- Led Azure Site Health team (40 engineers) responsible for maintaining Microsoft Azure datacenter health.

Sri Harsha IT Services | Title: Infrastructure Support Engineer **Jan 2012 – Jun 2013**

- Managed Windows Server, AD, and VMware/Hyper-V infrastructure.

EDUCATION:

Doctor of Philosophy (PhD), Computer Science – In Progress, VTU, Karnataka, India
Research: AI-Driven Developer Platforms, Platform Engineering, and Infrastructure Automation
Master of Science (Network and Computer Security) – State University of New York, NY.
Bachelor of Technology (Electronics and Communication Engineering) – JNTU-Hyderabad, India.

CERTIFICATIONS:

- *AWS Certified Solutions Architect – Professional*
- *AWS Certified Solutions Architect – Associate*
- *Google Cloud Certified Professional Cloud Architect*
- *Microsoft Certified Solutions Expert (MCSE)*