



## Jomy O Global Cloud, AI, Security CoE - Digital Enterprise Architect Leader/CDO

### Career Highlights

- ✓ Currently leading Digital, Cloud, Security, AI & Data Insights CoEs & Cloud Migrations for various F-500 companies – Multiple SAP, Salesforce & SaaS platforms/emerging technologies for AI/ Data Science projects (AWS, Azure, GCP, TensorFlow, Python, R, SAS, LLMs, Databricks, Foresight, Snowflakes, PyTorch, UiPath, CoPilot)
  - Strategic Visioning: Develop and implement a comprehensive analytics framework for Cloud Transformations, cutting-edge AI, and Machine learning initiatives that amplify the product and member experiences. Responsible for leading technology, business, and portfolio strategy with a Security First model that “monetizes” the data in the ecosystem.
  - Leadership Excellence: Guide the analytics division, turning insights into tangible actions contributing to business growth by transforming “raw” data into valuable information. Closely collaborating with cross-functional teams from technology, business, and executive management sides to come up with innovative ideas and to lead a team of data scientists, engineers, sales leads, and customer service specialists to define, design, and implement transformational products to leverage existing data with customer experience innovations.
  - Pioneering Thought Leadership: Set standards in data processes and quality, reinforcing value and reputation in analytical prowess. Project initiation & Scoping, PoCs, Design, Development, and implementation of various digital solutions, integrations, and global connectivity to leverage the business value across the platforms, developing consensus with various priorities/viewpoints.
  - Collaborative Partnerships: Engage with top-tier stakeholders (internal & external) to outline a data-centric business strategy and highlight key business opportunities. Working closely with Product managers and internal/external stakeholders to drive portfolio needs, defining vision, strategies, and innovative patterns to minimize costs, with excellent productivity, ROI, TCO, usability, customer engagement, partnerships, and data/analytics/security.
  - Operational Mastery: Embrace advanced analytics techniques to uplift the operations and refine member experiences. Leading the IAM and Cyber/Data Security and compliance streams (HIPPA, GDPR, CCPA, PCI-DSS, HiTrust, SaMD, GxP) to integrate the same into the development/continuous delivery process with ‘security-engrained solutions’. Worked with Public Sector practices of AWS, Google, Azure, SAP and Oracle on multiple Federal Government and State of California initiatives – Well versed on FedRamp, CCPA, CISA etc.
  - Cultural Vanguard: Play a critical role in cultural transformation, emphasizing data-driven organizational practices, especially for Cloud Migrations/Transformations in the last 12 years.
  - Team Development: Mentor and nurture talent, fostering their growth and contribution to the analytics division. Building a global team and working with them in monitoring/improving the actual/contract levels of all internal and external solution providers/vendors and partner



ecosystems, MSAs, POs, etc. Responsible for RFPs, SOWs, and vendor negotiations and contracts for resources/services

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## Employment History

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### **Global Digital/Cloud/AI/Security Enterprise Architect Leader      Irvine, CA USA March 2018 - Current**

- Leading the Digital Health Product, Data Science, and Security portfolios for a Global Medical Devices Giant, transforming the entire ecosystem with a global team of R&D, Commercial, Cloud, Field service, etc., shaping the direction of Ophthalmology by helping develop products and go-to-market strategies and laying out the analytic vision and roadmap to help the integrated team establish and deliver its goals of building the first ever SaaS-based platform for automating pre and post-op steps with patient engagement, AI/Robotics enablement with end to end delivery, customer experience innovation and SAP/Salesforce and other backoffice/industry leading components integration and medical/data/cybersecurity capabilities.
- Working with a Global Aircraft giant, leading the global delivery of multiple initiatives from the inception to going live – Cloud Migrations, Digital Transformations, IAM, Cybersecurity, AI/M/DS & Robotics innovations, and deploying them globally and with the partner ecosystem. Also, leading the SAP/S4Hana transformation with Analytics and AI focus and on-prem/Cloud data center strategy/rollouts.
- Currently leading the development and implementation of multiple end-to-end AI systems, including scoping the solutions, data preprocessing and integration plans, feature engineering, model training, validation, quality and chaos engineering, regulatory and compliance requirements, and deployment.
  - NVIDIA L4X & GH200 migration on AWS with DGX Cloud for the advanced AI for Graphics, LLMs, image/3D/Video generation for creating digital biology models and robotics for a Cardiovascular innovation platform for a major Medical Device Leader.
  - Led the architecture and development of the in-house AI models and GAI patterns to support biopharma research, academic medical centers, research institutions, academic medical centers, healthcare systems, life science organizations, etc, for a leading healthcare system in California.
  - Implemented the OPENAI ecosystem for a central Medical Center in North Carolina
  - Enabled the AI/Robotics/Data Lakes phase of the digital transformation journey of an ophthalmic platform with OpenAI and own inhouse LLMs/AI capabilities to streamline the robotic surgery workstream and built/extended the platform with NVIDIA/Google Compute platforms.
- As the chair of the ARB, responsible for Architecture Review Board meetings and representation, detailed technical specifications (functional and non-functional requirements, including system architecture, data flow, integration points, Security, compliance, medical safety, etc.
- Working with software engineers to integrate AI/ML, data science models, Datamesh and APIs into production systems and ensure scalability, reliability, and seamless data flow (UiPath, Databricks, TensorFlow, PySparc)
- Developing and maintaining Datamesh API integrations with external services, platforms, and data sources, ensuring proper authentication, data exchange, and error handling. Communicating findings, insights, and results to stakeholders clearly and concisely through visualizations, reports, and presentations.
- Ensuring compliance with data privacy and security regulations in all AI/ML, data science, and API integration projects, following standards like DICOM HL7 FHIR, HIPPA, CISA, HiTrust etc.
- Worked with a leading medical device company to define and implement their first-ever mobile platform for 'heart/pain management.". Built the Global team for Product Management, Architecture & Operations.
- Led a Global team of 35 and around 50 consultants from across the vendors leading the Cloud, Data Science, and AI/ML initiatives (AWS, Perl, Python, JAVA, Foresight, BigQuery, Spinnaker, Snowflakes)
- Built the Commercial and Medical Data lakes to monetize the BackOffice Data and rolled out multiple applications that helped improve the bottom line and customer experience for stakeholders.



- Trusted Advisor to the CIO for the Hybrid Cloud implementations & the SAP/EDW transformations for Global transformation with RPA (UiPath), Connected Cars, Predictive Analytics, and Security CoE.
- Interim CISO and Technical lead for Cloud Security initiatives for Public/Private Cloud
- Completing the Global Roadmap, IT Strategy/Data Science platform for a significant Automotive Giant - AWS, GCP, Azure, SAP, OpenStack (With hybrid/private platforms), as well as MDM with AWS Redshift/Lakes, RPA, AI&ML, Snowflakes, Kubernetes, Spark, Kafka, Airflow, Scala, BigQuery & DataProc
- Migration of the Global SAP footprint from Mainframe/AS400/Unix platforms to Onprem/Cloud model.
- Responsible for rolling out the Migration Acceleration Program from AWS and GCP. Successfully migrated four global programs end-to-end. Hybrid Cloud - Openstack, Nutanix, Cloud Native, VMware vRealize, GCP Anthos, AWS Outposts & Microsoft Azure Stack (Service mesh), z/OS, AS/400 migration & K8s
- Led one of the most extensive GCP migration efforts globally -AS/400, SAP, APIGEE, K8s, Anthos, Oracle
- Led the conceptualization, architecture, design, development, testing, deployment, and maintenance of models for the entire commercial and medical data lakes with agile methodologies and integrating with back-office systems (AWS, GCP, APIGEE, Azure, Foresight, CyberArk, GCP Dataflow, GKE, Pub/Sub, BigQuery, Dataproc/Spark, Datamesh, Databricks, Kafka, AirFlow, Python, R, Anthos, & TFX)
- Served as a subject matter authority on the capabilities of the services offered on custom-developed platforms and as a subject matter expert in the Agile methodology and creating workflows and tools to implement the product roadmap across the software development lifecycle.
- Designed release management and coordinated communications around product enhancements and releases. (Git, Maven, Salt, Ansible, Chef, Puppet, Terraform, Jenkins, Perl, Python, Ruby, Bitbucket, Ansible, Terraform with complete re-architecture of CI/CD/Devops, Copado, Flosum)
- Led architect for the HIPPA, PCI-DSS compliance programs with Twistlock, NewRelic, DataDog
- Owner of the Global Cloud CoE, defining the roadmap, strategy, vendor selections, and PoVs, working closely with technology business partners, stakeholders, and senior management.
- Implemented the Security Model that spans Infrastructure, Business Applications, Tools, Services, & Data and Data Governance through Master Data Lake with Datamesh architecture (Data Ingestion, Integrations, Transformations, Cleansing & provisioning), Data Catalogue ownership, and definitions.

#### **Global Cloud/Enterprise Architect Lead/Snr Director, CapGemini**

**January 2017 to Feb 2018**

- Cloud Lead and Security Architect for the Carnival Trident project (IoT transformation of the entire legacy reservations system for Carnival and 7 of its sister companies like Princess, Holland America etc. (<https://www.youtube.com/watch?v=lm7xJeHrvkM>) and (<https://www.ocean.com/ocean>) (Cloud Native)
- Built the Global AI/DS/Data Lake Platform and Security architecture for both shipboard, premises and cloud components for 167 ships across the globe.
- Led four of the most extensive Cloud transformation programs (AWS, GCP, Aure, SAP, SAP S4/Hana transformations with Onprem and Cloud interfaces) for various clients like Cargill, 3M, BCG, McDonald's, Mercedes Benz, Honeywell, etc., for CapGemini and part of other significant initiatives.
- Led the technology transformation, Data Science, Machine Learning and emerging technologies, PoCs for Cloud, Security, Data Science Datamesh, Microservices, Integration tools, Security transformation for legacy enterprise, etc., for the Disney MagicBand project (<https://en.wikipedia.org/wiki/MagicBands>)

#### **Global Enterprise/Data Architect Lead, Cloudradiant Corp)**

**November 2008 to December 2016**

- Cloud, Analytics & Security Architect for various Honda entities like Honda Automotive, Honda Finance, Honda Aircraft, Honda Power Systems, etc., consolidating IT into a single global platform (Cloud Native)
- Built the first Data Lake platform for Honda Globally and DevOps with Ansible, UrbanCode etc.
- Various emerging technologies like Mobile, SAP, ITIL, Salesforce Informatica, AWS, Azure, etc. – Design and implementation, Security controls, Federation, Vulnerability assessments, Data Lake, Capex to Opex Transformations, PoCs for new technologies like Security, Active Directory integration, MDM, ESB, etc.
- Set up and implemented the Security, Analytics & Cloud CoE, Mobile CoE, and designed EA frameworks.



- EPIC Implementation and VMWare/data center transformation for Kaiser Permanente/NYU Medical Center as Enterprise/Data Architect. Led the MDM and Data Analytics efforts, as well as Cloud Migration
- Led the Data Science projects for a mortgage giant (SPS) and a stockbroker (DTCC)
- Led the Aetna total transformation project with Security footprint modernization for Infosys (\$4B pursuit)
- Datacenter Transformation projects for various Clients (AWS, Azure, VMWare Cloud Migrations)
- Global SAP Transformation and moving to VMWare for a Mining Giant. Data Architect and Security Architect for the "Mine in a Box" initiative with SAP platforms. As an Enterprise Architect, managed Accenture and various other vendors with complete technology delivery ownership for the global program with 1200+ team. Architected and implemented the SAP Analytics platform for mining operations globally.

**Senior Business Leader, DataCenter Transformations/Analytics July 2002 to October 2008**

- Migrated four data centers globally and migrated over 350 applications from legacy platforms to the E-Business platform – Worked with the Level 4 team from IBM on WebSphere, Connect Direct, SiteMinder.
- Led the most extensive Data warehousing ETL implementation - Credit Card Data Repository (CCDR).
- Executed various Client-server and Virtualization projects and led the IAM transformation projects. (VbV)
- Led the Credit Card Payments/Security standards and payment systems like Resolve Online
- Extensive experience designing and implementing LDAP, SiteMinder, and other IAM tools. (Infrastructure, Application Security for global integration, Identity, and access management, etc.
- Designed and implemented marquee projects like IAM innovations like Verified by Visa (Two-factor authentication), Data Privacy standards like PCI-DSS (data privacy/compliance standards for banks)

**Senior Consultant/S. Manager, KPMG LLP. /Bearing Point November 1999 to June 2002**

- Led multiple projects as the technical lead for the Public Sector Practice for KPMG for the state of California, CIO to District of Colombia, Washington DC etc. ( DMV, CSAC, Judicial Council, FTB)
- Designed & and developed the California Student Aid Commission FAFSA program.
- Led various security initiatives for state government agencies at the Teal DC
- Led the design and implementation of one of the most extensive Oracle Financials implementations.
- Was part of the team that created the online appointment system for California DMV (<https://www.dmv.ca.gov/portal/dmv/dmv/appointments>) and the implementation of the financial system for the State of California IT Adviser for the CFO's office, District of Columbia, Washington DC
- Let a team of system administrators, DBAs, and developers for various Public Sector agencies.

**Senior Consultant/Manager, HCL HP Asia Pacific Pte Ltd. June 1995 to October 1999**

- Implemented the Safety Information System for Air-force, Singapore, and various projects for DoD
- Executed various data center transformations and ERP/Finance systems implementations for Defense, Sports, Finance, Public Transport, and other Singapore Government agencies.
- Grew the account in Singapore from a team of three to more than 2,000 on various projects/clients.

## Education

- **National Institute of Technology, University of Calicut, India – Master of Science (Computer Science)**

**References:** Available upon request