

AJAY KUMAR

Principal Architect | Head of Product Security & DevOps | C- Suite Partnership
M&A Integration | Polyglot Programming | Heterogeneous Architecture | Scaled
R&D Engineering Centers | People Management

+91-9901041977
akumaramar@gmail.com
Bengaluru, India
[Linked in](#)

OVERVIEW

A Conscientious Technology Leader with 20+ years of expertise in steering complex large-scale enterprise architecture programs by conceptualizing, designing & implementing innovative, scalable, resilient IT solutions driving digital transformations & a strategist for cloud migrations, infrastructure management, product development, AI integrations focusing on optimizing software engineering function by leveraging a precise combination of technical instinct & stakeholder management.

CAREER TIMELINE

2014 - PRESENT	2012 - 2014	2006 - 2012	2003 - 2006
APTEAN INDIA Principal Architect	ADITI CONSULTING Associate Technical Architect	SUNGARD SOLUTIONS Technical Architect	VALTECH Software Specialist

PROJECT OVERVIEW

- Project Models:** Green Field, Brown Field Implementation, 10+ Product Development, On-Premise, Cloud and SaaS Application Development, Product Enhancement, Transition, Application Maintenance, and Support.
- Industry:** Discrete Manufacturing, ERP, CRM, E-Commerce & Government.
- Methodology:** Agile (Scrum), Waterfall.
- Portfolio Size (TCV):** Started with \$8M; Now managing USD 50M+ **Product**
- Project Role:** Program Delivery, Project Manager, Account Management, Integration Lead, Developer
- Tech Stack:** MSFT, Java, MERN, etc
- Team Size:** 10 direct FTEs and 50+ in-direct
- Geography:** India, Europe, US, Canada, China

TECHNICAL TOOLS

Polyglot (C#, React, Python, GO), Native, .NET, .NET Core, WPF and WCF, jQuery, ASP.Net MVC, Web API, Node, AngularJS and Extjs, Azure, Docker, Kubernetes.

ARCHITECTURE & TECHNIQUES

- Evolutionary Architecture, SaaS Architecture, Micro Services, Cloud Native, Infrastructure Architecture, Monolithic, Layered, SOA, Modular Monolith, CQRS, Event Source, Onion, IaaS, PaaS, FaaS, Scaling, High Availability

TRAININGS & WORKSHOP

- IBM Blockchain** Foundation for Developers in 2018
- CSM** - Scrum Master from **Scrum Alliance®** in the year 2009
- DISM**- from Aptech in the year 1998

AWARDS & RECOGNITION

- Bagged **"Technical Excellence Award"** for quick turn-around of a Business Intelligence Solution.
- Received **"Best of Best Award"** for successfully delivering Pivotal 6.6 Cloud Transformation.

CORE EXPERTISE

- Agile Practitioner
- Technical Roadmap
- Solution Consulting
- Integration Specialist
- Product Development
- Product Security
- DevSecOps
- Infrastructure
- Architectural Governance
- Process Re-Engineering
- Cost Optimization
- Tech Debt Management
- Budgeting
- Reporting

LEADERSHIP TRAITS

- Technical Thought Leadership
- Entrepreneurial Insights
- Data Driven
- Technology Adoption
- Manage Ambiguity
- Emotionally Resilient
- Stakeholder Management
- People Management

APTEAN INDIA
PRINCIPAL ARCHITECT

2014 - PRESENT
BENGALURU

LEADERSHIP INITIATIVES

- **Leadership Etiquettes:** Propensity to work with Senior C-level leaders (CTO, CISO, CEO, MD) within the organization to convert technology-driven business strategies into dynamic IT programs for delivering best-in-class **Holistic Enterprise Architecture**.
- **Technical Roadmap:** Partnered with IT leaders in the preparation of the **Enterprise Architecture Roadmap**, by assessing the **current state & defining target state** architectures to provide a high-level architectural vision supporting business objectives.
- **IT Strategy:** Define & implement **short-term & long-term IT strategies, and POCs** to drive forward the technology strategy aligning it with business goals to ensure scalability, innovation, market competitiveness.
- **Advisory Board:** As a member of the **Architecture Review Board**, responsible for managing the **enterprise architecture governance** process & drove all architectural aspects of software development projects to provide greater **scalability, reliability, flexibility, security, cost optimization, performance efficiency & operational excellence**.
- **Technical Council:** Established a Technical Council for streamlining various architectural aspects like **design practices, architecture patterns, tools** & implemented architectural decision record (ADR) practices improving the decision from **0 to 87%**.
- **Program Management:** Implemented **Agile methodology** for efficient utilization of resources, rigorous design, and deployments resulting in reducing **time to market** by **30%** ensuring **on-time & on budget** deliveries.
- **Technology Advisor:** Keep abreast of the latest technological developments, continuously incorporate newer elements in Enterprise Architecture capabilities improving technical platform and developer experience.

ARCHITECTURE & ENGINEERING INITIATIVES

- As a **Principal Architect** responsible for managing E2E activities of **architectural projects** from **conception to completion** & an advanced **SME** for creating **architectural blueprints** using **FEAF, TOGAF Framework** to manage complex system design & communication mechanisms.
- **Solution Architecture:** Preparing Enterprise Architecture documents, defining **As-Is** and **To-Be** processes, preparing **POCs, use cases** & translating the business requirements into specific systems, applications, process designs for very large complex **technology solutions and architectures**.
- **Mergers & Acquisition:** Designed & developed **IT integration plan** by technical evaluation of acquired products & created protocols, procedures for integration, SOE standards overseeing the entire software engineering functions like **coding, DevOps, engineering processes**.
- **DevOps:** Instrumental in building a **custom DevOps Framework** to transition from a standard maturity model to a DevOps Maturity model by drafting robust action plans to transition into a fully optimized organization resulting in increasing the maturity from **30% to 100% for strategic products**.
- **Product Security:** Streamlined Product Security with **SSDF, Threat Modelling, DevSecOps, and Security Warrior** program & implemented **PEN testing** resulting in moving the efforts by **40%** left shift.
- **Product Improvements:** Architected multiple product enhancements by refining, optimizing an existing product to meet its users' needs like **RAG-based Chatbot, Account Payable Automation**.
- **SaaS Solution Delivery:** Conceptualized, designed & delivered a first-of-its-kind **SaaS Solution** aligning the technology & business needs providing functionality for Discrete Manufacturing **ERP, CRM, and Ecommerce** Platforms.
- **Developer Productivity:** Orchestrated multiple developer productivity programs across the entire software engineering function like **Co-pilot, automated code** review through **AI & AI-based security** payload generator boosting the efficiency and effectiveness of software developers for delivering **high-quality code**.
- **Engineering Excellence:** Implemented engineering excellence by enforcing regular automated **code reviews, continuous integration, automation, high code coverage, ongoing code refactoring** & precise documentation.
- **Governance & Standards:** Defining and enforcing **architectural governance frameworks**, standards to ensure consistency, quality, and compliance across software projects.

PEOPLE MANAGEMENT

- **Hiring:** Partner closely with the Talent Acquisition Team to contribute to external talent mapping and overall understanding of the **cloud & DevOps engineering requirements** to support hiring.
- **Attrition:** Controlled attrition of less than 10% through 1:1 meetings, team bonding activities, advocating work-life balance, providing regular feedback & mentoring managers.
- **Mentoring:** Passionate people person and exhibits empathetic leadership in motivating, counseling 44+ FTEs & retaining strong performance with a special focus on growing their careers.
- **Resource Management:** Proficiently manage resource allocation by identifying the resource requirements & scheduling available resources most **effectively and economically**.
- **Technical Upskilling:** Work with talent management to bring new technical training roadmap, technical upskilling programs line Aspiring Technical Leadership Program which resulted in fast movers to become Architects

ADITI CONSULTING

2012 - 2014

ASSOCIATE TECHNICAL ARCHITECT

- Collaborate with **senior architects** and stakeholders to define architectural requirements and design technical solutions for web and mobile applications.
- Lead **mid-sized projects**, ensuring adherence to architectural standards, performance optimization, and security protocols.
- Led the implementation of **framework/vertical slice** to guide the architecture and designing of solution.
- Created **POC** for new implementations; provided technology thought leadership to multiple projects.
- Participate in research and development of new technologies and methodologies to enhance architectural frameworks.
- Support business development by pitching to potential clients, participating in proposal creation, **presales support**, helping secure new projects & engage in preparing design/architecture for implementation.

EDUCATION

- **MCA:** Master of Computer Application from Indira Gandhi National Open University (IGNOU) in 2003
- **BCA:** Bachelor of Computer Application from Indira Gandhi National Open University (IGNOU) in 2000