

# Anand Jayaraman

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## EXECUTIVE PROFILE

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IT Management ~ Strategic Planning and Architecture ~ Product Development ~ Information Security

Technology and business visionary with executive and grass root experience in delivering state of the art solutions. Proven ability to bring benefits to IT and solve business issues while managing costs and risks. Experienced in leading cross-functional teams across geographic locations and diverse technical backgrounds. Recognized for exceptional organizational leadership, problem analysis and resolution with capability to articulate and execute strategic vision. Create and foster a unique 'team spirit' that brings together people into a cohesive group by proactive leadership and demonstrating solid team strategies and positive relations. First-hand experience in international working styles.

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## AREAS OF EXPERTISE

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| ▪ Technology Architecture and Strategy               | ▪ Leading Edge Software Development  |
| ▪ IT Process Development and Service Improvements    | ▪ Strategic Planning and Engineering |
| ▪ Cloud Computing                                    | ▪ Project & Resource Management      |
| ▪ Business Continuity and Disaster Recovery Planning | ▪ Security practices and policies    |
| ▪ Service Oriented Architecture (SOA)                | ▪ Smart Sourcing / Team Building     |

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## SELECTED ACHIEVEMENTS

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- Evangelized the adoption of Cloud Computing and implemented an Internal Private and Externally hosted Hybrid Cloud for IaaS and PaaS, cutting down environment provisioning time by 80%, and increasing utilization by an additional 35% and saving over \$4MM in licensing costs annually.
- Saved over \$4.5MM in licensing and operations cost by re-engineering the Corporate Data Warehousing infrastructure and adding efficiency.
- Initiated Technology Sustainability and Simplification Program and optimized 1600+ Products and versions to 900+; by consolidating capabilities, removing redundant products and versions. Reducing significantly license and operating cost close to \$ 35MM over 3 years.
- Delivered the ATPCO's flagship product FARES, a multi-tenant Software as a Service (SaaS) and help establish various usage and models.
- Built a Shared Service capability for IT, to expedite solution delivery and improve reusability across IT solutions, and saved close to 40% on development time and maintenance costs.
- Institutionalized the Architecture Review Board an oversight body consisting of the CTO, Directors and Senior Architects, responsible for approving new technologies and products for the organization.
- Led the adoption of an Information Assurance Program by implementing industry standard best practices and guidelines for Application Security and Secure Application Development based on NIST and OWASP and creating security awareness within all levels of the organization.
- Introduced Agile methodologies to speed up software delivery and increase consistency in quality solutions, cutting down development time by 15% and increase operational efficiencies
- Reduced the effort spent on software defects from about 20% to a sustained rate of less than 2% by institutionalizing new QA methodology "Keyword Based Testing", and integrated build and testing.
- Provided continuous improvements by creating a unified dashboard for monitoring, problem management, automated ticketing and automated remediation, decreasing incidents and increasing availability.

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**PROFESSIONAL EXPERIENCE**

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**Senior Director – Information Technology, Freddie Mac, USA****Aug 2009 -**

**Senior Director, recruited to revolutionize and deliver incremental changes to Technology Strategy and Architecture by overhauling the existing processes and institutionalizing new technologies and practices. Functional responsibilities include Business Architecture, Information Architecture, Functional Architecture, Domain Architecture, Information Security Architecture, Application Portfolio Management, Innovation, Infrastructure Engineering, Unified Communication & Collaboration, Client Computing, and Content Management, supporting 5000+ users, 600+ Applications, and underlying technology infrastructure.**

- Advise the CIO, CTO, and Business Officers on strategic technology direction and tactical decisions to enhance IT investments leading to increased business value.
- Drove Business Transformation change by mapping business intent to technology capabilities through the assessment of customers, strategies and compliance/regulatory/governance requirements within the cultural framework of an organization.
- Analyzed current business objectives and capabilities through the use of proven architectural blueprinting tools; then create and lead strategic vision that leverages new and existing technologies through innovative use of implementable in-house or commercially available solutions.
- Define Enterprise Services, Reference Architectures, Patterns, Build patterns, and Operational guidelines and leading implementation of several key business initiatives, including Customer facing and Back Office Applications.
- Defined the Cloud model for business adoption, Architecture, Security and selection model for Cloud Services.
- Implemented “IT as a Service”, a transformation initiative to run IT as a Business and leverage alternate sourcing, commodity delivery and utility models, delivering business alignment and value by designing and implementing the Technology Services Catalog of Services (End User, Application Hosting and Application Support), Total Cost of Ownership (TCO) and Application Portfolio Management.
- Lead the creation and execution of three year strategic road map for \$250MM “Legacy Transformation” Program; overall remediation and transformation of Enterprise Computing (Cloud Computing, Server virtualization, Storage, BCP & DR), Client Computing (VDI, Desktop as a Service, Windows 7 upgrade), Connectivity (Network Modernization, Remote Access), Information Security and Application Technology Upgrade and Migration.
- Delivered the strategy and design of Data Center Optimization and Consolidation initiative to bring 5 Primary + 1 DR Data Center with over 3500 servers supporting 600+ applications into a 1+1 model with a 5 year return of over \$85MM.
- Optimized Application delivery by creating Shared Services (Architecture, Engineering and Development), and tightly integrated DevOps model.
- Implemented Enterprise Monitoring of infrastructures and applications and created a “Self-Aware and Self-Healing” IT model and reduced run rate by 20% automating various manual tasks in the IT Command Center thereby reducing the Mean Time To Repair (MTTR) reducing.

**Principal – Enterprise Architecture and Product Development, ATPCO, USA****Sep 2003 – Aug 2009**

**In the capacity of a “Director” led the Enterprise Architecture and product development initiatives, including upgrading and replacing obsolete technologies; in this world class organization serving over 90% of the airlines in the world having more than 10000 users and team sizes of 85+ spread out between United States, China and India.**

- Executed product strategy that drove meaningful innovation and revenue growth. Established and oversaw the execution of SaaS product strategies that enabled in a leading edge pipeline of products.

- Managed the entire customer experience from strategic planning to tactical activities - defining process and artifacts as needed for repeatability.
- Instituted development processes and systems, which then ensured rapid and successful product launches. Lead and enhanced the company's Agile methodology for the design, development, test and release of its products and features.
- Specified market requirements for current and future products by conducting market research supported by on-going visits to customers and through JAD sessions.
- Developed and implemented a company-wide go-to-market plan, working with all departments to execute.
- Analyzed potential partner relationships and key build, buy, partner decisions for the solutions.
- Managed across architecture, development and support of highly functional and cost effective solution Java, JEE and Service Oriented Architecture technologies, robust multi-tier hardware architectures that are 24 x 7, high-performance (multi-processor, blade server farms), failover-enabled and load-balanced (F5 Big-IP), shadowed, and recoverable.
- Dramatically improved efficiency decreased expenses and optimized for performance, usability, and high availability from 90% to 99.998%.
- Implemented several next generation Rich Internet Applications (RIA's) like ActiveX, AJAX, Web 2.0, and Mashup technologies to allow the company's customers achieve end user productivity, and to maximize the businesses technological strategic advantage over its competitors.

### Senior Technical Architect – Product Development, Target Corporation, USA

Dec 1995 – Sep 2003

Senior Architect / Project Lead tasked with the strategic planning, development, and adoption of knowledge management systems that foster an efficient knowledge driven workforce through the use of content management, portals, and collaborative tools. In charge of architecting and approving application design, and aligning technical efforts.

Consultant, UNISYS, USA

Aug 1995 – Dec 1995

Systems Executive, RAMCO SYSTEMS, India & Switzerland

Feb 1994 – Aug 1995

Programmer, IE Constructions, India

June 1993 - Feb 1994

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### EDUCATION, CERTIFICATIONS, PROFESSIONAL DEVELOPMENT & AFFILIATIONS

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- M.S. in Information Security and Assurance, George Mason University, VA
- B.S. in Physics, University of Madras, India
- Honors Diploma in Software Engineering, Apple Industries, India
- Diploma in Computer Programming, National Computing Center for Information Technology, UK
- ITIL Foundation Certified
- TOGAF 9 Certified, The Open Group
- Certificate of Cloud Security Knowledge (CCSK), Cloud Security Alliance
- Certified Information Security Systems Professional CISSP), ISC<sup>2</sup>
- Keynote Panel Speaker at Cloud Slam 2010 – Cloud Computing: Why (and Why not).
- Executive Steering Committee Member – Secure World Expo 2008
- Instructor for Cryptography and Application Security - Information Systems Security Association, Northern Virginia
- Coach – Odyssey of the Mind; a creative thinking program for students.