**Dave Cheema**

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**Highly Experienced IT Transformational Leader**

* Trusted business partner, executive collaborator, enterprise architectures visionary, and proven thought leader
* Drive business innovation to gain competitive advantage; leverage existing assets and create new products and services using emerging technologies and trends
* Business centric IT vision, strategy, roadmaps, governance, standards, frameworks, reference architectures and accelerations
* Director of Enterprise Architecture Services, expertise in cloud adoption and migration, Digital Transformation Architecture (DTA), specializes in DevOps reference architecture, adoption and mentoring, promote a culture of cooperation, collaboration, and mentoring
* Develop and implement strategy for IT infrastructure to ensure information systems are safeguarding assets, maintaining data integrity, and operating effectively
* Business strategy and enterprise architectures alignment; Cloud Architectures - SaaS, PaaS, IaaS, BI, Vendor & Product Evaluations and Negotiations
* Risk Assessment - PCI DSS, SOX, PII, BCP/DRP solutions

**TECHNICAL SKILLS**

**Architecture**

* Cloud Computing - Microsoft Windows Azure, Amazon AWS, and Google Web Services, Federated Security, BigQuery API, IBM SoftLayer, and Hostway Platform
* Google Web Services, Federated Security, BigQuery API Accreditation
* Internet of Things (IoT) - Hardware based (Cisco), Software based (Microsoft Azure)
* On-premise database migration to Azure Cloud
* Machine Learning, AI, Serverless architectures/computing, and Bot programming
* Microservices, Apigee, DevOps, Containers/Dockers
* Web apps, SPA, and Service apps

**Analytics**

* Big Data - Apache Hadoop, Windows Azure HDInsight, Windows Azure Hadoop, Google BigQuery
* Almost Big Data - Apache Spark, SparkSQL, Windows Azure Spark
* Real-time Analytics - Apache Storm, Windows Azure Strom
* Microsoft Power BI

**Applications**

* Dynamic web sites and web application - MEAN Stack - MongoDB, Express, AngularJS, Node.js
* Mobile Computing - Mobile Web Apps (HTML5, JQuery, CSS), Hybrid Mobile Apps (PhoneGap/Cordova, Xamarin)
* Microsoft .NET Framework 4.5, C# 4.0, Microsoft Visual Studio 2013, IIS 7.0, BEA Weblogic v. 8.1 SP2, BEA Weblogic Workshop 8.1, Web Architect, Web Administration
* ASP.NET, Windows Server 2012 R2, Microsoft IIS 8.5, JavaScript, DHTML, Netscape Enterprise Server

**TRAINING & CERTIFICATIONS**

* CITA-P - IASA Certified IT Architect - Professional
* MCA – Microsoft Certified Architect
* SCEA – Sun Certified Enterprise Architect
* Machine Learning by Stanford University
* [AWS Business Professional](https://aws.amazon.com/partners/training/accreditation/#AWS_Business_Professional)
* [AWS Technical Professional](https://aws.amazon.com/partners/training/accreditation/#AWS_Technical_Professional)
* Google Cloud - Level 200 Training
* Microsoft Windows Azure Training

**Education**

* Bachelor of Science, Chemistry
* Computer Learning Center, Diploma

**Publications**

* Cloud adoption and migration strategy
* DevOps reference architecture
* Architecture Profession - Principles Guidelines and Practices
* Attributes of a Solution Architect
* Architect Interview Criteria
* Making a Case for Microsoft Windows Azure
* Performance Capacity and Scalability
* Keeping Software Development on Track

**EXPERIENCE HIGHLIGHTS**

**AAA – Automobile Club Southern California, Costa Mesa, CA** 04/2018 – Present

Working as a senior enterprise architect in a consulting role. Developed cloud adoption and migration strategy; created cloud security and governance models. Defined DevOps reference architecture and currently helping product teams adopt it. Contributing significantly to the on-premise private cloud being set up by defining architecture, vendor and product evaluation, and adherence to the defined architecture. As a senior Digital Transformation Architect, responsibilities include development of governance, standards, frameworks, innovation, and acceleration; explore opportunities for efficiencies, automations and improvements across the ACE IT ecosystem.

**JM Family Enterprises, Deerfield Beach, FL** 08/2017 – 04/2018

Worked as a senior enterprise architect in a consulting role. Helped resident EA team define, review and revise enterprise architecture principles, patterns and reference architectures. Defined cloud adoption and migration strategy, which was used to migrate to the cloud. Helped WOFCO team define architecture deliverables, upgrade and migrate their application portfolio to the cloud (AWS).

**Service Director - Enterprise Architecture & Design Services**, UST Global, Aliso Viejo, CA 3/2010 – 6/2017

Consult on design, review and recommend architectures. Quickly learn and assess business and problem domains, pain points, and organizational challenges. Recommend/devise corrective strategies and solutions. Create/revise service offerings, large sales support initiatives, create solution architectures. Onboard architects, provide mentoring and thought leadership to aspiring architects. Create reusable artifacts for enterprise architecture assessments and recommendations, conduct candidate interviews, contribute thought leadership to solutions and services leadership.

*Key Clients:*

**Warner Bros., Burbank, CA** 5/2012 – 4/2013

Assessed infrastructure and software from performance, capacity, durability, and extensibility perspectives.

**Unum, Chattanooga, TN** 6/2011 – 4/2012

Constant interactions with C-level managers to understand pain points, provide various mitigation strategies, recommend industry best practices and provide guidance on IT maturity process.

**Warner Bros., Burbank, CA** 10/2010 – 5/2011

Transitioned Easy Budget application from the current vendor to UST Global.

**KPMG, Montvale, NJ** 9/2010 – 10/2010

Reviewed enterprise architecture/newly developed custom framework, built on top of Microsoft Silverlight 3, and Prism.

**Scantron, Eagan, MN** 8/2010 – 9/2010

Managed client expectations and concerns about feasibility and reusability of Microsoft SSIS, SSRS, and SSAS products.

**Walmart, Bentonville, AR** 4/2010 – 8/2010

**EA Merchandizing Life Cycle Management -** Enterprise architecture evaluation of the existing merchandizing life cycle of merchandizing planning and budgeting, assortment management, space management and price management.

**HIPAA** - securing in-flight patient information between any two points, internal and external. It comprised of legacy systems (CICS/COBOL) on mainframe, classic ASP applications, IBM MQ, UNIX C and so on.

**Casualty Allocation** – rewrite of an existing legacy application, which had run out of its useful life.

**Warner Bros., Burbank, CA** 3/2010 – 4/2010

30-day architectural analysis and review assignment of a highly unstable application: EZ Budget.

**Systems Architect**, RIA Financial, Cerritos, CA 3/2008 – 2/2010

Worked on redesign of RIA systems to address the capacity, scalability, and availability constraints of the system. Documented existing system, identified bottlenecks and determined causes and devised a strategy to address issues and align software solutions with business strategy in a cost-effective manner. Evaluated the feasibility of Cloud Computing from benefits, drawbacks, concerns, and strategic perspectives and identified candidate applications.

*Key Vendors evaluated:*

Amazon, Microsoft, Salesforce, and Rackspace.

**Systems Architect**, HISNA (Hyundai Information Services, N.A.), Fountain Valley, CA 8/2007 – 2/2008

Worked on various, consumer facing, websites. Created POCs, prototypes, design, design audits, and ensured the software was developed to the architecture specifications, usage of appropriate design patterns, and followed naming standards and best practices. Managed vendor relationships – review proposal, SOW, SLA, system design for functionality, scalability, capacity, reliability, extensibility, maintainability, and the overall long-term viability.

**Lead Architect & Technical Lead**, PIMCO, Newport Beach, CA 1/2002 – 8/2007

Worked on Portfolio Management Simulation. It is a web-based application that is based on .NET Framework 2.0 and ASP.NET 2.0. Duties included: Application Architecture, gather user requirements, create design artifacts, design database, development and deploy application. Development tools being used are: Rational Rose, MS Visual Studio 2005, MS SQL Server 2005, and MS SQL Server 2005 Reporting Services.

**Contract Senior Programmer/ Analyst**, Toyota Motor Corp., Torrance, CA 8/2001 – 12/2001

Worked on the Dealer Daily, Vendor Interface project. Responsible for Lexus Service Invoice, National History Update, National Service History Auto Synchronization and Special Service Campaign modules. Duties included interacting with the Product, Program, Development, QA and UE teams, design, development, and deployment. Reviewed and recommended changes to the database and stored procedures for performance fine-tuning. Microsoft technologies were used, e.g. ASP, Visual Basic, COM+, COMTI, JavaScript, and SQL Server.

**Lead Architect & Technical Lead**, AT&T Wireless, Cerritos, CA 9/2000 – 8/2001

Developed Fraud Detection (CAMS) system. It is a web-based system built on BEA Weblogic 6.0. It utilizes Server side Java, EJB, JMS, J2EE, Servlets, JSP, CORBA (VisiBroker), JavaScript for client side validation, Sybase 11.5 and Rational Rose for UML. Duties included full lifecycle development. Provided technical assistance/mentoring to rest of the development group, in concepts and decision-making of partitioning of functionality into modules, assignment of responsibility to tiers and object decomposition within tiers and create utilities. Created system level test harnesses. Also, responsible for Weblogic administration.

**Lead Architect**, First American Title Company, Santa Ana, CA [Concurrent] 11/1999 - 09/2000

UCC7 project to check a property title is clear. Wizard based UI developed to promote system intuitiveness. The client information sent to external vendors for verification and results triggered appropriate workflows.

**Contract Project Manager & Technical Lead,** PIMCO, Newport Beach, CA [Concurrent] 4/1998 – 2/2001

Worked on the Intranet application. The duties included setting up environments, resolving access control issues, developing utility routines/classes, data modeling, DBA and stored procedures. The application is built on BEA Weblogic 5.1, application server and JMS. The web pages are created dynamically based on user-selected parameters accessing data from Sybase via stored procedures and persist changes to the database, Accessing MS Exchange Server for e-mail functionality and ChartFX for Graphical presentation of financial data. DHTML technology and Remote Data Services (RDS) are used wherever necessary.