**Senior “Hands On” Manager**

Transformational Leadership / Drive to Innovation / Solution Architecture

***Over 19 Years’ Fast-Tracked Progression in Technology Leadership for Top-Tier Financial Institutions and Technology Companies.***

* Results oriented senior development manager with proven abilities and 16+ years experience in the financial services industry in managing, delivering and supporting enterprise applications.
* Managed teams of 1, 10 and 50 and everywhere in between. Job fulfillment comes from successful execution not in number of direct reports under management with focus service cost. Focus on delivery over team size with 100% success rate in every project execution.
* Lead by example with an ability to lead from the trenches driving the application development lifecycle more efficiently by managing resources via mentorship and camaraderie.
* Excels in new system design and inherited platform management and sets forth vision and strategic initiatives during global Town Halls and conferences to the multinational business and technology organization.
* Trailblazer in diverse financial software development and technical project management experience in global distributed environment ranging from Portal platform, reporting platform, IOS based mobile application and Big Data project.
* Worked with Data/Product/Services with excellent presentation and team building skills with hands-on coaching/mentoring experience. Accomplished and recognized as a leader for demonstrating superior leadership and execution.  Provided thought leadership
* Other Honors:
  + Distinguished Engineer 2009 – Highest technical honor within BNY Mellon technical community.
  + Faculty at BNY Mellon University Application Development Training Program (Javascript Frameworks and BigData Analytics)

# **Professional Experience**

* **BNY Mellon– Enterprise Data Service May 2016 – Present**

Apache Spark, Cassandra, Cloudera, Python, R

* Head of Data Engineering with overall responsibility of Data Management and Architecture Engineering.
* Working closely with Data Governance team to ensure that all engineering systems and programs are evolving to compliance expectations.
* Led, designed and delivered common target data architecture and a data management platform for reporting and analytics across Risk, Finance and Operations functions.
* Designed, and architected Enterprise Data Distribution Hub - a key component towards regulatory requirement.
* Designed and delivered the data access Layer which is a self-service provisioning tool which led to quick on boarding of data feeds into Enterprise Data Service.
* Simplified data management into a harmonized data platform supporting Risk functions.
* **Mass Mutual – Digital Group July 2015 – April 2016**

**Vice President – Digital API**

Apigee Edge Server, Kafka, Cassandra

* Responsible for API Layer strategy for MassMutual.
* Working with business executive and program sponsor to define the strategy.
* Responsible for building Business Activity Monitoring for back office operation.
* **BNY Mellon – Enterprise Data Services and Architecture Jan 2013 – July 2015**

**Managing Director - Architect and Development Manager**

* Data Distribution Hub/Middleware and Big Data for Enterprise Data Hub and Operational Analytics. Leveraging Cassandra, Hortonworks Hadoop, Hive, Map-Reduce, Spark, JAX-RS Rest Web Services, SOAP, Vertica, WSO2 Enterprise Service Bus and Complex Event Processing among other Java Middleware Technologies.
* **Applications** 
  + **Digital Pulse** - A strategic business application monitoring application built on BigData stack to provide management and operations with immediate awareness of events as they traverse across multiple systems emanating from all applications in the enterprise. Ability to provide analytics using Map-Reduce and other related technologies providing operations and users with real time information and enabling them make informed decisions. Analytics dashboard using D3JS/HighCharts/AngularJS and BootStrap.
  + **Enterprise Data Service** –API based Datahub, providing the bank a central feeding point to send and consume data. Built on NOSQL stack, it provides a customizable and generic interface to define and enrich data stream.
* Supporting both applications in production processing over 100 million events/day using SOA architecture capturing events being generated by more than 60 applications.

**Key Contributions**

* Created High Level Conceptual, Logical and Physical Architecture Diagrams leveraging Microservice architecture with services connected with standard protocols and transport making architecture agnostic to vendor stack.
* Responsible for selecting the technology stack and led the team to deliver Enterprise data service and Digital Pulse to production.
* Smart, linearly scalable, extensible architecture, capable of evolving with changing landscape of bigdata stack.
* Introduced many new technologies and paradigms, including Complex Event Processing, Web Sockets, ESB, CEP, Elastic Search and lambda architecture for mediating and providing support for multiple protocols as well *polyglot* persistence.
* **BNY Mellon – Ecommerce and Architecture Group Jan 2010 – Dec 2012**

**Managing Director, eCommerce Development Manager**

Additional Role – Divisional Chief Architect

* Technologies - Liferay Portal, WebSphere Portal, IBM Extreme Scale Caching, iOS Mobile Development, Reporting Platforms including Actuate, Jasper. User Interface platforms including Adobe Flex, EXTJS and JQUERY
* Defined and authored white paper on mobile strategy. Led the first implementation of hybrid mobile applications on IOS and Android Devices - delivered this application from conception to production in 6 months. Worked with corporate marketing and Apple Store to create the very first BNY Mellon application (BNY Mellon Connect).
* Led the architecture of first generation of Enterprise Reporting System for BNY Mellon. Defined a vendor neutral reporting platform.
* Enterprise Architect for client facing BNY Mellon Portal. Worked on many POCs to evaluate new technology stack and define the bricks for BNY Mellon including evaluation of Liferay Portal as a replacement for IBM websphere portal.
* **BNY Mellon – Workbench Reporting Platform Sept 2007 – Dec 2010**

**Vice President, Reporting Platform, Asset Servicing**

Architect Manager

* Led the architecture team and led the development of second generation of Reporting System. Led the overall development making the architecture vendor agnostic and making it easy to plug n play with any reporting solution. Introduced many new ideas including Async Beans and Extreme Scale.
* **StateStreet – IT Manager May 2002 – Sept 2007**

**Vice President**

Performance and Risk Analytics, MyStateStreet Portal

Led the application development support and development of web based Performance and Analytics application. Led the development of Flex based application.

WebSphere Application Server, WebSphere Portal Server, LDAP, Siteminder, Adobe Flex, Java

Honors: *CIO Excellence Nomination Award, Lincoln Development Award*

* **Kaveti Solutions – Consultant May 1999 – May 2002**
* **Upromise**, Newton Jan 2002 – May 2002

One of the first developers working for this start-up, responsible for building the framework and enrollment wizard for vanguard based 529 accounts.

Senior Developer – Weblogic, JBOSS, HTML, Java, Javascript

* **Verizon** Labs, Waltham May 2001 – Dec 2001

Senior Developer – Responsible for developing Verizon.net portal using Weblogic, Vignette Portal, Java, Javascript

* **Cisco**, Chelmsford May 1999 – May 2001

Developed User Interface for an application for smart IP addressing allocation using SNMP API for accessing DHCP servers.

Senior Developer – JBOSS,HTML, Java, Javascript, SNMP, DNS, SMTP Servers

# **Education**

* MS Data Science, Harvard University, 2018 -
* MS Computer Science, University of Massachusetts, 2000
* MS Engineering, University of Arizona, 1995
* BS (Engineering) PEC University of Technology, Chandigarh, 1992

**Continuing Education - Courses**:

Harvard University

* Cloud Engineering
* Data Analytics
* Web Programming
* Mobile Programming
* Network Engineering

**Certification**

* Sun Java Developer, 2001