Sundar Rama

9393 W 110th St, Overland Park, KS 66210. Phone: 872-228-6622, e-mail: [IoTStrategy@gmail.com](mailto:IoTStrategy@gmail.com)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Big Data Management and Analytics / Digital Strategy – Executive

## PROFILE SUMMARY

* High-performing senior professional in providing IT solution using **Big Data Management & Analytics** (BDMA) and statistical data analysis
* Skilled in developing **Digital Strategy** and **Transforming** to implementable roadmap
* Strong **data science** skills to analyze, architect and deliver big data solution
* Experienced in using **statistica**l, **econometric**, **scientific** and **quantitative analysis** techniques
* 23 years of experience in delivering data solution for **digitally challenging enterprise** needs

## CORE COMPETENCIES

* Expert in developing complex **mathematical models** for **big data**
* Experienced in ***solving complex & challenging*** business problems utilizing big data technology
* Strong work experience in **transforming big data** into decision making **analytics**
* Proficiency in delivering **Big Data Management** solution at various capacities
* **Top tier (Big 3) consulting experience** in business development, and project management
* **Managed** 8 projects, 20-35 resources, integrated 35 systems and generated **$15M-30M revenue**

## ACCOMPLISHMENTS

* Saved $50M potential revenue loss using various **big data analytics** and **statistical models**
* Developed **digital transformation strategy** to enable digitally connected multi-channel capabilities
* Developed **algorithms** to translate **zetta bytes of big data** to decision making **facts**

## FUNCTIONAL EXPERTISE

* Digital transformation strategy
* Big data management & analytics
* Information management & architecture
* Enterprise data strategy
* Big data ingestion techniques
* Data mining & metrics

## TECHNICAL EXPERTISE

* Hadoop, HDFS, MapReduce, R
* MongoDB, NoSql, Pig, Hive, Impala
* Hortonworks Data Platform (HDP)
* Sqoop, Flume, HBase, Platfora,
* Cassandra®, YARN, Ambari, Statistica
* Hadoop Data Platform, Spark
* Mathematica®, Statistica, GnuPlot, IRAF, MathWorks – AVS, FORTRAN
* Oracle MDM, Fusion, ODI, Siebel UCM
* JD Edwards 9.x, BSSV, BSFN, Informatica®
* InfoSphere MDM, DB2, WebSphere MQ
* Java, JavaScript, C/C++, PL/SQL, Python

## PROFESSIONAL EXPERIENCE

## ABB Ltd Feb 2015 - Present

*Senior Data Scientist*

Responsible for defining analytics on industrial automation data (such as yotta bytes of data generated by distributed computing devices, electromagnetic fields, motion sensors, wind velocity variation detectors, solid objects occupancy and volumetric data, temperature variation data, and Standard Temperature and Pressure (STP) data). Key accomplishments are:

* Transforming large amounts of industrial **automation data (Big data)** into information that provides the right **insights to plan**, optimize and continuously **improve** industrial operations
* Collected, organized, analyzed and created improvement plan using data that generated by **IIoT (Industrial Internet of Things)** using DCS (Distributed Control Systems)
* Created a system to analyze and make decisions using data from **Machine Learning Systems** (MLS) attached devices
* Crafted algorithms to analyze nuclear reactor data (**big data**) to improve nuclear reactor efficiency by controlling fusion rate of Uranium/Plutonium
* Working on a IIoT (industrial **Internet of Things**) **digital strategy** for industrial **IoT** enabled devices

## Capgemini LLC / Oshkosh Corporation Dec 2012 - Feb 2015

*Senior Manager/Information Management Lead*

Oshkosh CIO & team expressed their business challenges and tasked us to confirm business challenges, facts and improve business performance. Took responsibility to identify challenges, root causes, business performance improvement, cost saving opportunities and present improvement opportunities to the CIO & team. Key accomplishments are:

* Analyzed terabytes of structured and non-structured data using b**ig data** technology
* Architected end to end data analysis processes for warranty, item customer and supplier data
* Educated various business owners on data analytics, benefits and cost saving opportunities
* Defined data connectivity between supply chain, logistics, purchasing and fulfillment

## Level 3 Consulting Sep 2011 - Nov 2012

*Enterprise MDM Lead*

Responsible for designing and implementing data strategy, data ingestion, data delivery process for complex real time data sets used for critical business functions. Key accomplishments are:

* Designed ***data ingestion techniques*** for real time and batch processes using **Hadoop**
* Implemented analytics for large volume of structured and unstructured data using **HDFS** clusters
* Performed statistical analysis using programs such as **R, Pig, Python** and other **big data** tools
* Transformed multiple set of **business scenarios** to implementable modules
* Utilized Apache HBase (DW), Sqoop (ETL), Oozie (Schedule),Ambari (HDFS cluster management framework) and the Pig language for building Hadoop applications,

## Ernst & Young LLP Jan 2010 - Aug 2011

*Senior Manager*

Responsible for developing a strong **data management team** managed day-to-day interactions with executives and project sponsors. Key accomplishments are:

* Defined business strategy and delivered process for managing enterprise-wide information
* Developed a strong **MDM team** and analytics methodologies
* Designed statistical analysis for high volume transactional data

## Accenture LLC. June 2006 - Dec 2009

*Manager*

Led data management team at various clients. Acted as a SME to develop data management, business intelligence, large data warehouse solution, and methodologies including data quality enrichment and SOA governance. Key accomplishments are:

* Defined process to identify, classify and analyze large volume of retail data
* Delivered **data visualization** and decision making project using **big data** technology
* Acted as an advocate between business and IT leaders and consolidated business processes

## IBM Corporation Dec 2000 - Jul 2006

*Principal Consultant*

Responsible for collecting requirements, and designing customer analytics for 60M customer data. Key accomplishments are:

* Implemented **near real time** customer analytics architecture for more than 30tb data
* Implemented three data transformation projects using real-time conversion techniques
* Analyzed, profiled and converted data from **21 applications** and integrated with **MDM and BI/DW**

## [Covansys Inc](http://www.covansys.com/). Feb 1998 - Nov 2000

*Principal Consultant*

Extensively worked in various **data warehouse,** **business intelligence**, complex data integration, and software development projects. Key accomplishments are:

* Delivered data analysis **statistical platform** that perform **data science** on large volume of data
* Delivered **end-to-end data transformation** and data flow process for an AP/AR financial system
* Architected data processing model for large financial transaction datasets

## A.P.Moller Maersk Group Feb 1994 - Jan 1998

*Senior Systems Analyst*

Designed financial system to consolidate financial data across the enterprise. Developed statistical data analysis models for a large volume of data. Utilized multithread JAVA, C, and C++ code to analyze millions of item, customer, and geo spatial information.

## Indian Space Research Organization (ISRO) Sep 1992 - Jan 1994

*Scientist- Research Fellow*

Study of satellite collected data from NASA, ISRO, radio telescopes around the world, and researchers in over a decade. Processed these enormous amounts of data and developed mathematical (theoretical) models using **advanced statistical methods** and numerical analysis. (List of few **big data tools** used: Mathematica®, Statistica, GnuPlot, IRAF and MathWorks – AVS)

## EDUCATION

Master of Science (M.S) 1990 - 1992

Bachelor of Science (B.S) 1986 - 1989

Post Graduate in Information Technology 1992 - 1994

## INDUSTRIES SERVICED

Gas and Oil, Manufacturing**,** Research & Development, Insurance, Banking, Retail, Media, Communication, Media, High Tech, Pharmaceuticals, Healthcare, Financials and Services.

CSR – Customer Service Rep, RT- Real time, ESB – Enterprise Service Bus, BSSV – JDE business services, BSFN – JDE Business Function