**( Rama)kanth N. Gowda**

**Federal Way, WA**

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SUMMARY

IT professional with over 25+ years of broad based experience in Engineering ( Systems, Software, Mechanical, Electrical, Industrial, Manufacturing), IT Auditing, Project/Program Management, IT Security, Disaster Recovery Planning, Cloud Computing, Data/Network/Applications Architecture, Product Lifecycle Management, Configuration Management, Application Development and Implementation with Big & Small companies. Led the development of worldwide enterprise Data Management architectures, database modeling, design and administration. Experienced in Web architectures and technologies, Six Sigma methodologies & DOE, system performance tuning and production platform performance metrics. Systems analysis in Wide Area Network, client server application design and n-tier applications. Demonstrated ability to learn quickly, understand business, technical subjects and issues. Ability to lead a cross organizational team and directly interfacing with the customers.  The companies that benefited most from my consulting work are Boeing, Ford Motor Company, Microsoft, Mercedes Benz (Germany), Groupe Schneider ( France), US Army and US Navy.

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**Computer Skills**

**Languages:** C/C++/Java,VB, .NET, Business Objects, XML, HTML, JSP, SQL, IML, Unix Shell Scripting ( Korn and C) , python, Awk, Cron, Perl, FORTRAN and MODeL.

**Operating Systems:** Cloud Computing,Windows, HP-UX, AIX, LINUX, Solaris, MS-DOS.

**Packages:** SEER (Project/Program Cost estimation and forecasting), PRMS, PSET ( Production Support estimation), Agile (SCRUM), WebSphere, WebLogic, Accelis, J2EE, LDAP, VAJ, PVCS, CORBA, Metaphase - Team Center Enterprise/Engineering - SAP interface - Oracle Manufacturing, CATIA, Enovia VPM, Trilogy - Automotive Configuration Manager (ACM), IBM Cognos, SQL-PLUS, SQL-NET**,** Pro/E, Pro-team, IDEAS, Unigraphics, AutoCAD, Rational ClearCase, TCP/IP, NFS, Assembly Language, MS Excel, MS Word, MS Project Professional, HITRUST, NIST, COBIT, ITIL, Data analytics using ACL, Cyber-security, Earned Value Management (EVM), ERWin,NASTRAN, PATRAN,etc.

**Databases:** Oracle, MySQL, DB2, Informix, Sybase and MS SQL.

**Methodology:** OOA/OOD/OOP, Unified Modeling Language (UML), Service Oriented Architecture (SOA), Rational Unified Process (RUP), DMR's P+, Zachman and metaSDM.

**Training:** CATIA, Enovia, TeamCenter, Metaphase, CObIT, PwC Audit, Aerospace & Defence Solutions, SEER, Six-Sigma Greenbelt, DoD NetCentric Operations

**Master's certificate in Project Management from George Washington University, School of Business:**

Project Management for IT, Program Management, Project Leadership and Communications, Quality, Risk Management, Rapid Recovery of struggling projects, Six Sigma Green Belt and Solution Delivery Methodology.

**Certification in Risk Management Assurance (CRMA)** from the Institute of Internal Auditors (IIA)

**Memberships**: IIA, ISACA, ASME, SME

**Professional Experience**

**Company Confidential** Nov 2005 - Current

**Senior Corporate IT Auditor / Data and Network Sr. Architect/ Project Risk Manager**

* Performing IT Sarbanes Oxley (SOX) and Quarterly Audits addressing Project/Program management, Information Security, Cyber Security, Disaster Recovery Planning, Cloud Computing, NIST, General Computing Controls, Application Controls, ITAR and Export Controls, Cloud Computing, ITIL, CObIT, CMMI, issues/risks/compliance covering different segments of the company’s business units both domestic and international. Led the Auditor Desktop redesign project and supported the PRMS rollout.
* Headed Future Combat Systems (FCS) defense program to get compliant with DoD NetCentric readiness certification. Interacting with Lead System Integration teams, SoSCOE architects, US Army, Net-Centric Forums, DoD Communities of Interest and DoD contractors.
* Responsible for the integration and publication of Data Models of different IPT’s in the Army’s Future Combat Systems program. Using modeling tools like Rational Rose, ERWin, Meta Integration Model Bridge and databases like Oracle and Postgres extensively.
* Perform Data/ Network Architecture requirements analysis
* Lead review, analysis and approval disposition of IPT and sub-IPT information architectures & models
* Strategic planning for Data distribution, replication, scalability, availability and high performance
* Develop and enforce Data/ Network architecture standards across IPTs

**Ford Motor Company - IT** April2002 – Oct 2005

**Portfolio Manager *Product Information Management ( PIM)***

* Performed as Portfolio Manager in the Global Product Definition area integrating **Trilogy Configurator (ACM) and UGS PLM - Teamcenter Enterprise applications** in an SCM initiative. Technologies involved are web servers, web services, databases, EJB's, XML, eHub, ePIM, API's etc
  + Led efforts to prioritize these requirements based upon available resources and oversee the development from requirements to offering.
  + Finalize decisions on operational matters and ensure effective achievement of development's objectives and project time lines. Extensive use of IBM Cognos, SEER ( Cost estimation application), MS project and PSET( Production Support estimation) tool.
  + Took on overall project management responsibility, including planning & directing schedules as well as project budgets. Organized interdepartmental activities ensuring completion of the product/program/project on schedule and within design & budget constraints.
* Performed as a Portfolio Manager responsible for Product Development Cycle Planning and Management Systems suite of applications.The suite consists of client-server and web applications which perform functions like Global Cycle Planning, Engineering Forecasting, Electronic Work Hour Management System,etc.
  + As a portfolio manager responsible for understanding the relevant current and emerging technologies, interfacing with key internal stakeholders, **gathering technical requirements and strategizing** with team consisting of **Architects and Business Analysts.**
* **Manage** **Enterprise Information Management Software** ( CAD/CAM/CAE/PDM) integration projects to facilitate seamless interaction with partners distributed globally in Asia, Europe and the Americas. Work with CATIA, Enovia, Agile (SCRUM), Metaphase - Team Center Enterprise, IMAN, IDEAS and Pro/E Engineering Applications.
* Responsible for PDM implementation, consulting, managing installations and configuration. Has experience in platform system development, support, design & development of source code.
* Applying Six-Sigma technology for IT projects.

**Siemens PLM - Product Lifecycle Management solutions** October 1994 - March 2002

**Principal Engineer/Project Manager** Hewlett Packard (Metaphase Technology Division)

Performing the roles of **Principal Software Architect** at the world's leading developer of Product Data Manager (PDM), enterprise information management software.

* Supporting e-Business Collaborative Solutions for Collaborative Product Commerce. Setting up event-driven processes to expedite take-to-market lifecycle.
* **Leading the development of worldwide enterprise PDM architectures, Web architectures and technologies. Experienced in systems analysis and application development in PDM environment, Wide Area Network, client server application design within an integrated architecture.**
* **Managed overall system and Oracle performance tuning and production platform performance metrics.**
* **Managed the installation and configuration of Application Servers like WebSphere, WebLogic to work with Accelis, an enterprise collaboration software.** Used Java servlet, Bean, EJB, SOAP, JDBC , J2EE and LDAP technologies.
* Designed and built a Java Client Task interface using e! Vista tools. Used Java AWT and Swing components for GUI building. Also participated in a full lifecycle development process.
* **Advised Client’s Management** about setting up web access to client’s corporate data via MetaWeb product. Expert on Team Center’s Collaboration Foundation Toolkit, providing a high performance thin client web access to Metaphase. Gained expertise with Java servlet, JSP , HTML , XML and J2EE technology.
* **Involved with evaluating/ recommending alternative architecture and solutions to meet customer’s business objectives using structured design methodology.**
* Analyzed, debugged and solve submitters customization source code (method, C or C++, Java programs) problems in all modules of **Metaphase UGS - Team Center Enterprise** software like Object Management Framework, Product Structure Manager, Advanced Product Configurator, Life Cycle and Workflow Manager, Change Control Manager, Document Control Manager, Aerospace & Defense Solutions and Application interfaces like Metaphase - SAP and Metaphase - Pro/E. Develop prototype application code illustrating new Model, Method and Application Programming Interface (API) features of the Metaphase software.
* Applying my proficiency in object oriented technology, system administration, relational database administration ( **DBA - ORACLE**) , UNIX/ DOS/ Windows NT OS, networking, C, C++, Java programming, business modeling, client server computing, system engineering activities, MODeL, method coding, UML, Rational Rose and Metaphase software utilities to solve challenging customer situations.
* Made consulting trips on assignments to well-known companies such as Microsoft, Mercedes Benz (Germany) and Groupe Schneider (France) to analyze, review and solve critical software related performance and production problems. **Interacted with Directors, VP’s, CIO, CEO’s of some of the client companies.**
* Some of the clients who have benefited most from consulting work has been software companies like Microsoft, SUN Microsystems, Intergraph and, Aerospace companies like Boeing, Lockheed Martin and, Automobile companies like Daimler Chrysler, Ford, Toyota, Mazda, Renault and other major companies like Ericsson, Motorola, United Defense, AT&T Wireless, Honeywell, Caterpillar, Xerox, etc.

**On site PDM consultant at the Boeing Company, Seattle. October 1994 - May 1998**

* Full time support of the Boeing's Design and Control of Airplane Configuration/ Manufacturing Resource Management Project (DCAC/ MRM), one of the world's largest business process re-engineering programs.
* Designated as a Change Request (CR) Project Manager in order to debug, analyze and resolve emergency program related problems. Also participated in team prototypes to support business process groups. Responsibilities included developing a list of tasks with prerequisites and time resource requirements, assigning tasks to on-site group members and remote product development teams, monitoring progress with frequent team meetings and when tasks are delayed or unforeseen problems rise to find the best approach to adjust resources, plans and schedules as needed. Used Microsoft Project extensively.
* Provided solutions to the user, developer, system administration and database administration communities to secure, deliver, customize and tailor the **Metaphase UGS - Team Center Enterprise** **architecture** to their specific business needs in a multisite environment.
* Developed a Problem Tracking and Information Management System (PTIMS) to track change requests, trouble (defect) reports, issues and white papers using Metaphase's object oriented customization tools, oracle database and C/C++ programming language. The PTIMS system supported clients accessing from both UNIX and Windows NT platforms.
* Assisted in developing a bulk loading utility to load millions of airplane parts rapidly using Perl, C and Metaphase API's.
* Largely Managed Boeing's Client Failover, Vertical and Integrated Scalability Test Lab, Data Conversion and Data Distribution Architecture teams. Also helped the Boeing software deployment team to configure their system effectively to prevent repetitive installation of the software and increase efficiency.
* Worked with Boeing's Configuration Management and Metaphase's Development teams in preparing a support process plan. Attend the Configuration Control Board (CCB) meeting regularly to process, resolve issues and architect solutions.
* Participated in the teams to analyze, design, prototype, and develop Java clients and servers.
* Used UML and P+ methodology.

**Intergraph Corporation July 1991 - October 1994**

**PDM Applications Engineer**

* Worked as a software analyst for the Intergraph data management organization. Duties included support and certification of PDM/ PDU/ FEA product which is a client server application.
* Architected solutions to customers like U.S Navy, Kennedy Space Center, McDonnell Douglas, Marshal Space Center, Boeing, ABB, Hill-Rohm, etc. Worked with Intergraph products like EMS - Engineering Modeling system (a high end 3-D graphic software), FEA – Finite Element Analysis ( interfaced with NASTRAN and ADAMS), RIS - Relational Interface System, NFM - Network File Manager, etc.
* Setup and usage of databases on Informix, Oracle, Ingres and Sybase RDBMS software's. Also wrote SQL scripts to make customized reports.
* Test API's included with our software and write 'C' language problems. Fluent in shell scripting programming.
* Have installed, managed document, debugged and fixed network hardware and software problems. Able to integrate and support new applications.
* Knowledgeable about general debug analysis tools and methods.
* Tuned configurable UNIX and RDBMS software for maximum system performance.
* Successfully performed database conversion for Kennedy Space Center, Boeing and Hill-Rohm.
* Demonstrated Intergraph PDM product at the International Graphics User Group (IGUG) Conference.

**Universal Plastics November 1990 - June 1991**

**Project Engineer**

* Managed Design and Manufacture of semiconductor wafer fabrication stations for SONY, Texas Instruments, IBM, etc. Used AutoCAD, CADKey and ASK-MANMAN softwares.

**KSCST, Indian Institute of Science, Bangalore** July 1987 - August 1988

**Project Engineer**

* Administered the functioning of the Solar pond research project at IISc, one of the premier research institutes in the world. Computer modeled, designed and conducted analysis.
* Architected a computerized data acquisition system for monitoring the performance of the solar pond. Used FORTRAN language to develop the simulation code on an IBM PC.

**Education**

**Institute of Internal Auditors (IIA) 2013**

Certification in Risk Management Assurance (CRMA)

**George Washington University, School of Business 2002 - 2003**

Master's in Information Technology Project Management

**Villanova University, Villanova, PA 19805 1988 - 1992**

**Master’s in Engineering, Concentration: CAD/ CAM/ CAE**

Computer Aided Design and Manufacturing

Advance UNIX and 'C' Programming, Relational Database Management Systems, Computer Graphics

CAE: Finite Element Methods/Analysis (Used MSC NASTRAN and PATRAN), Composite Materials

Computer Aided Production Planning and Control, Robotics, NC Machines and Operations Research

Industrial Engineering and Management

**VISA/Security Status**

* US Citizen with Active Security Clearance

**References**

* Available on request