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| **MANOHARA MAVULOORI**  571 279 2501  [mavmanohar@gmail.com](mailto:mavmanohar@gmail.com)  <https://www.linkedin.com/in/manohara-mavuloori-09996435> | | |
| **Key Qualifications** | | |
| Having twenty years of relevant experience in handling different IT positions including   * Solution & System Architect, Technical Management, Lead Consultant, Lead Business Analyst and hands on experience with vast variety of Microsoft, IBM and Sun products. * Adopted various project development methodologies, Involved in Scope, Resource, Communication and Project Cost Management for variety of projects. * Improved enterprise strategies and practices for client engagement, project methodologies, architectural governance, enterprise documentation, infrastructure migration, development team evolution, and IT support. * Aligned with business strategies through DevOps, Agile, Scrum, Waterfall methodologies that leverage business and technical architectures, information workflow, use case analysis, and risk assessment to verify fitness-for-purpose. * Stabilized ad-hoc support operations by clearly defining the boundaries, responsibilities of project and operational teams, while progressively injecting fitness checks earlier into the project lifecycle. * Developed systems models, specifications, diagrams and charts to provide architectural expertise, direction, and assistance to project and development teams. * Validate the architecture’s compliance to the requirements and verifies the system’s compliance to the architecture. * Formulating EAG to provide technology strategy and planning to conduct research on emerging technologies in support of systems development efforts, and recommend technologies that will increase cost effectiveness and systems flexibility. * Involved in C level and EAG architecture and technology roadmap activities. * Review new and existing systems design projects and procurement or outsourcing plans for compliance with standards and architectural plans. * Involved in providing guidance to different project team members. * Lead different projects from pre-sale to completing entire solution, involved in lessons learned reviews and continues operations. * Developed business and systems processes findings through use case scenarios, workflow diagrams, and data models. * Provided AWS cloud based solution on different client requirements. * Provided technical architectural & solutions using TOGAF, FEA, DoDAF architectural frame works. | | |
| **Education** | | **Security Clearance** |
| * Bachelor Science, Computer Science & Engineering, Bangalore University, Bangalore, India, 1994 | | * None |
| **Professional Certifications/Licenses/Training** | | **Software/ Hardware Skills** |
| * ITIL V3 Foundation Certification * SMAC (SCRUM MASTER ACCREDITED CERTIFICATION) * SPOAC (SCRUM PRODUCT OWNER ACCREDITED CERTIFICATION) * CERTIFIED SIX SIGMA CHAMPION (CSSC) | | **Project Management & Office Products**: MS Project 2003/2007, MS Office.  **System Design**: Visio, draw.io  **Methodologies**: Agile, Scrum, DevOps and Waterfall.  Managed Languages: MS C#.Net (2.0/3.5/4.0/4.5), ASP.Net, VC++.Net, VB.net, Java/J2EE  **Managed IDE**: MS Visual Studio Teams System, MS Visual Studio 2003/2005/2008/2010/2013, Silver Light, Eclipse IDE.  **Unmanaged Languages**: C, C++, VC++, PHP, Pascal, Fortran, Cobol, MS VB.  **Distributed Middle Ware**: COM, COM+, DCOM, COBRA  **Scripting Languages**: Perl, CGI, Shell Scripting, JavaScript, jQuery, CSS, HTML, XML.  **Databases**: Oracle 7.x, 10, 11g, MS SQL Server 2000/2005/2008, Sybase, SOLID and MS Access.  **3rd Party Tools**: Toad, 3M Scanner interfaces, Rogue wave Libraries, ODP.NET (Oracle Data Access), Telerik Controls and OpenAuth.  **Web/App Servers**: IIS, Glass Fish, Apache Tomcat and ELM (Compaq Proprietary)  **Protocols**: XML Based SOAP, UDP, FTP and HTTP.  **OS**: MS Windows 95/2000/2003/XP/UNIX, AIX.  Source Controllers TFS/VSS, Clear case, PVCS and GitHub. |
| **Hands on experience/Knowledge** | AWS Architecture, EC2 Configurations, S3, Elastic Load Balance (ELB), Lambda, Big data Hadoop ecosystem.  Build, deploy and manage different environment for Dev and Test environments using EC2/EBS AWS services.  Managing IAM policies based on the different environment groups  Designing service management, monitoring and management requirements of cloud platform.  Microservices Architecture – distribution of functional based SOA.  Statistical/ Data analytics/ETL (Knowledge only) - RapidMiner | |
| **Relevant Professional Experience** | | |
| **OST, Inc., Mc Lean VA, 12/2014 – 06/2016**  **Solution Architect**  Working on, supporting Business Development technical solution needs in different areas of business proposals in federal arena and EAG (Enterprise Architectural Group) initiatives with different project teams, working on to providing technical solution with cost effective technical solution and resource estimation, working with Business Development (BD) team with different proposal reviews in capture life-cycle, involved in business proposal meeting sessions and providing technical resolutions with aspect of each or different proposal initiatives.   * Providing technical solutions in DevOps, Agile Scrum and Waterfall methodologies in various RFP responses and supporting RFI responses. * Translating the technical activities in to the work activities and preparing the IMS for the time and resource estimations * Assisting ERB design solutions reviews with different technical project teams * Working with EAG team to assist System Architecture comply with TOGAF and DoDAF Standards and with review of design documentation with in CMMI standards for different project teams * For different technical solutions & tools reference by performing DAR analysis * Provided ERP upgrade RFP requirements into cost effective Oracle cloud solution * Provided AWS cloud infrastructure solutions for couple agencies. * Provide ERP (COTS) upgrade solution with WBS, 3-point Cost estimations and Technical solution with reference to ISO and DoDAF standards. * Working with different C levels and stakeholders to define business requirements for complex architectural systems development from both functional and non-functional perspectives. * Developed architectural (technical architects, business architects, domain architects, or enterprise architects) solutions and compliance with different EA frameworks, standards within and across projects.   **System Architect / Lead** (System Architect/System integrator/Architectural System Design)  To support FAA, ITSS-CC contract in CMMI Level 5, optimize the MSS three major web (MedXPress, AMCS and CPDSS) applications from Delphi (legacy) code base to latest .Net technologies stack with back-end Oracle 11g, and developed MSS system architectural guidance, data modeling, working with BA personals for defining and drafting the UI presentations for the client approval and base reference for the development teams to design the 3 major MSS systems for airman online application through airmen certification and timely manner validation of the covered positions. Role on this project to support and make sure all the integration system components works seamlessly with inclusive of release management and Optimize the code base to .Net, Systems hard ware definitions, defining the technology integration, defining report development (Telerik Controls), coordinate with development teams to meet the deadlines as proposed or defined in PM plan, supporting root cause analysis for the development technologies in pre-production or production issues and working with EAG. Defining the system architecture by following TOGAF (phase) and DoDAF (viewpoints, models) architectural frameworks and technology standards for the development teams, proto type implementations and writing the white papers for the major issues to overcome for other project team considerations in the organization.  Architected following web applications in FAA domain using TOGAF/FEA standards: MedXPress, AMCS and CPDSS applications and with common login (CLA) application integration. Architected and managed to share all web services with in departments, exclusive login shred between the systems. | | |
| **Optimos Inc,** Washington, DC, 06/12 - 11/14  **National Labor Relations Board**,  Sr. IT Consultant (Solution Architect/System Architect and Implementation consultant)  NxGen 5.x & 6.x versions of O&M and F&E release Scrum Agile artifacts (sprints), involved in maintaining the NxGen process and enhancing the new features which used for the public users to see their case details. Couple of Legacy products which are implemented in C# 4.0 (MVC asp.net) and Web services which provide bridge between Siebel, Documentum, Java, J2EE and SOLR search engine. Architected eService public facing application for the NLRB with includes 3rd party login (google, yahoo, aol and verisign open id) mechanism and integrate the Siebel CRM IO with .NET SOA architecture and working on Data Warehouse customized ETL tool for NLRB to get the most accurate real time within given definite time.  Architected following web applications in NLRB domain: Honors, eService and eFile  Architected Data Warehouse system with in 3 min transaction for all NxGen (Siebel) transactions to display DW, OBIEE dashboard reports & data compliance with federal regulations. All SOA (web services) for the getting and data from Siebel CRM and manage data in DW. eService login authentication architected in OpenAuth. Designed customized system for high volume transaction of COT’s data into DW (similar like ETL tools) | | |
| **Libsys Inc,** 12/10 - 2/12  **COLLEGE BOARD**, Reston VA  IT Consultant (Solution Architect/System Architect and Implementation consultant)  Feed Automation Rel Version 1.x (x =0, 1) process design, resource scheduling and process implementation management for Quality Control and Assurance team to process, validate the given feed with validations against feed data, validations with external database and implemented to process business rules, turnaround will be easy to use and validate the college board SAT scoring details.   * Architecting, designing and implementing .Net based automation system to enhance the QC process. * Porting scattered legacy process into unique .Net based system. * Involved in risk register and schedule development for feed automation process. * Adopted Scrum methodology to architect the process (Product Owner, Scrum master and Team member methodology). * Architected and designed automated Feed system for 43 different feeds using MVC design pattern, following technologies Oracle 11g, .Net C#, Perl and windows & Unix flavors. | | |
| **Libsys Inc,** Washington DC, 5/06 – 11/10  **U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT**  IT Consultant for Federal Government (Solution Architect/System Architect and Implementation consultant)  Supported world-class maintenances and operational development offerings, focusing on re architecture of the enterprise system and intensive hands-on managing and application development team, while supporting the aggressive adaption of Agile methodology and development practices. Involved in daily based team management activities including Requirement Definitions for release artifacts, Scheduling, Cost and Risk Management activities.   * Involved in PM activities - project process developments, Cost-Benefit & Risk analysis and Schedule development. * Developed architecture design roadmap for porting high volume legacy systems to .Net based architecture implementation, to reduce the unmanaged code and enhance the process portability with existing subsystems. * Specially designed Ad-hoc report with downloading large amount of data in excel format. * Developed and Implemented prototype using Agile design methodology with classing MS technologies into .Net base environment, MS Sql Server, Asp (.Net), WCF, Oracle, COM. * Involved in HUD IMS or formally called PIC proposal initiative. * Architected and designed Voucher program in Java/J2EE (JSP, Tomcat, JDBC, Spring) * Gave 2020 technology and VM based infrastructure roadmap solution to OCIO. | | |
| **Huge technologies Inc**, 12/05 – 4/06  **ERICSSON**, Reston VA  IT Lead and Architecture Consultant in R&D Mobile Telecommunications  TEMS investigation 4.0 and TEMS Drive tester 4.0 applications, Drive tester basically tracks and displays the cell phone routing and GPS tracking information, application has capability to collect and save data in DAT and TDM format, this information is played in on TEMS Investigation enterprise application.  Involved in CDMA & GSM API protocol architecture roadmap for 3rd party tools to handle handshaking and mobile tower signal strength detection. | | |
| **Huge technologies Inc,** 11/04 – 12/05  **VERIZON**, Dallas TX  IT Lead and Architect Consultant in Verizon Telecom  Verizon COFEE Ordering System, using COFEE ordering system VERIZON representatives can take orders for various Verizon products, like VOICE, High speed internet and Video products from customers. Involved in architecting, designing and managing the Front-end, Middle tier and Back-end teams, daily based team management activities inclusive status of Requirement Definitions for specific artifacts, Scheduling, Risk Management activities.   * Involved in architect designing FIOS video product ordering system with using .Net based stack and integrating with legacy system. * Working with tech directors to assist inclusion of new product package offers to the clients in the architectural design of existing system. * Architected and designed Ordering program in Java/J2EE (JSP, Tomcat, JDBC, Spring), .Net stack. * Architected the application for data Ordering catalog using Linux, Apache, MySQL and PHP (LAMP).   Managed technical production implementations team for new and unplanned process enhancements changes. | | |
| **NEC (AMERICA) RESOURCES**, Dallas TX, 1/03 – 10/04  IT Lead and Architecture Consultant in Solutions Provider  The project was MOT POC 3.0 product inventory gain/loss system (7-11 system). The system basically used for daily-based ordering different 7-11 store products. MOT (Mobile Terminal) POC is wireless access based system. The front-end designed using MS .NET technologies (version 1.4) and back end as MS SQL Server (reengineering the SOLID database with MS SQL Server).   * Corporate product ordering system (POC) Proof of Concept proto type architecture developed for 7-11 stores. * Adapted MVC (Model View Controller) design approach to design and implement MOT POC concept. * Developed interface data loader scheduler to load data from SOLID database to MS SQL Server Database. * Implemented MOT security mechanism for IIS 5.0 web server. * MOT application architecture designed and lead implementation on MS .Net Architecture stack (.Net Version 1.x-2.0). | | |
| **BLUE FALCON NETWORKS, INC.**, Los Angeles CA, 9/02 – 1/03  IT Lead & Architecture Consultant in Radio Streaming  RFV can provide different audio streaming qualities like 28, 56 and 96 kb, 14 different types of channels, RFV can hold up to three different styles of display, and user have flexibility to change the skin of selected sets, history of the latest user heard streams, user ability to bookmark the songs and log user chat sessions.   * Lead implementation and maintenance of PM process in loosely couple Functional Organization. * Developed Risk, Cost-Benefit and Scope Analysis. * Architected, Designed and developed interface doc’s for storing bookmarks and capturing history for listened tracks or tunes. | | |
| **GLOBAL COMPUTER PRODUCTS, INC.**, Chantilly VA, 2/02 – 8/02  IT Lead in Gaming Industry  Elite Poker Club Game, It is having 2 different set of games one is SINGLE player and MULTI player games based on the user selection. Multi user games are Texas Holdum, Omaha High Low, Pot Limit, Big River and Rollet, Video Poker, Black Jack, Slot Machine are Single User Games. Cashier Module deals with Rake and Pot money. Involved in design, development, implementation of backup process in server-side and report generation using Pro \*C and embedded SQL. Written API’s to back up the transaction database in timely manner.   * Lead implementation and maintained PM process in Project Based Organization. * Involved in architecture design, developing and managing DB design for gaming system. * Developed interface API calls to fit for single and multi-tier enterprise architecture gaming system. * Developed and managed J2EE/Apache based architecture and VC++ based standalone gaming applications. | | |
| **COMPAQ COMPUTER CORP.**, Colorado Springs CO, 2/00 – 1/02  Lead Consultant in SAN Industry  Storage Area Network (SAN) Element Manager or RAID Array Storage for HSG80 & HSG 60 storage types. It manages to create UNITS on HSG 80 / 60 and present this UNIT to the different hosts through the well-developed web GUI. Involved in interfacing architecture design and lead the development effort from all phase of the SDLC, from design to implementation, deployment to support on server side using C++, STL and ATL COM on Visual Studio environment (VC++). Basically, the HSG80 & HSG60 Element Manager called PUMA Server, manages the HSG80 & HSG60 Raid array using SCSI commands to create units of JBOD (single disk unit), RAID 0 (Stripes set), RAID 1 (Mirror set), RAID 0+1 (Stripe mirror set) and RAID3/5 (Raid set), Present these units to the different hosts. It logs errant, informational and warning messages into the database and NT log based on the Notification mechanism (Using MSMQ).   * Designed HASH (SHA -1) algorithm for ELM web server. * Designed SOAP API mechanism (storage area can be controlled using the XML based HTTP protocols). * Involved and implemented added snapshot and clone functionality to existing SAN Enterprise environment. * Developed design and interface doc’s for security mechanism for ELM web server.   Senior Software Engineer in SAN Industry API Implementation -  The features of the BORG API have security mechanism (which validates the authentication in server side), having different sets of commands like Create (add a new object), Delete (deletes an object), Get (Show the properties of object), Set (modify the object properties), Code load (Update the hardware image) to manage the Enterprise storage. Involved in Client and Server side coding using C++, Sockets, SOAP (XML + RPC) and Client developed in DLL on Visual Studio IDE using COMPAQ CORP Proprietary ELM web server. | | |
| **SOUTHWESTERN BELL CORPORATION**, St Louis MO, 7/98 – 12/99  IT Lead Consultant for Telecommunication  The purpose of the OPTI-PRICING is to assist in the process of calculating the estimated cost of outside plant work. It uses an account code and material description as a key to get cost and labor hours from the broad gauge database. As materials are selected, capital, expense and grand totals are recalculated. Retirement Unit Cost (RUC) can also be obtained. The total RUC is kept separate from capital and expense totals, options are available to view details about materials and group materials, print reports, save calculations and to over-ride various values, also responsible for designing and implementing system to read the different data sources such as spreadsheets and update the database in real time. | | |
| **INTEQ SOFTWARE PVT LTD (sister concern company to DATA TREE Corp),** 2/96 – 7/98  IT Lead Consultant in Image Processing  Implemented, developed and involved in following app development and services.   * Record System Development. * Scanning Interface. * Conversion of DOS applications to Windows System. * Missing Document Manager. * TIFF - LISA format Conversion. | | |
| **GARDEN CITY SOFTWARE TECHNOLOGY,** 1/95 – 12/95  Software Engineer in Oracle Sales Order Processing Application Development  Sales Order Processing provides auto quotation system to calculate the order quotations. Implemented report modules to generate quotations, invoices and product information. Extensively used data flow diagrams, ER diagrams, Triggers, Stored Procedures, Functions, Indexes, Alerts, Clusters, Packages, PL/SQL and SQL\*Forms. Modified and enhanced modules and reporting modules to generate day-to-day reports. | | |