**Introduction**

**Kumar is an Enterprise and Solution Architect / Senior System Architect / Certified Solution consultant (SME) with**,around **20 years** of architectural, systems analysis and development experience in Enterprise & Solutions Architectures, Technical Evaluations and Solutions using technologies such as **products and enterprise wide solutions using Java, J2EE,** **Python,** **API Gateways,** **Visual C# /.NET / in Unix, Windows, IBM, Mobile iOS, Android, Windows CE, Linux, Hadoop & Cloud such as AWS and Azure Cloud** environments.

* **Has extensive experiences in AS-IS analysis, Transition Architectures and Future State architectures using TOGAF and FEAF**
* **Successfully worked on CBA, TCOs, Budgets, TBM, Asset Managements and Cost modellings**
* **Involved in Technical Proposals, Pricing, Acquisitions, RFIs and RFP activities**
* **Worked extensively on Technical evaluations, Solutions proposals, Implementations planning and design artifacts**
* **Worked on CCBs, Risk Assessments, Controls, Oversight on SDLC, Agile and SAFe 4.0 & 4.5**
* **Worked on Data-center operations including Cloud and Government Datacenters and focused on networking operations, monitoring systems and applications**
* **Have good working knowledge on BI tools within the Datacenter using analytics, logger functions and enterprise services management**
* **Applied Architectural principles** and produced successful solutions with, design pattern modeling, analysis, & programming **SME** for real time in enterprise and **public facing production systems** on varied local and international projects**.**
* Well-versed in programming **API’s and module implementation to support mobile,** wireless programming and communications with Prototyping
* Has extensive work in **.NET, Java, MS C#, VC++, NET Components,** **jQuery**, Test Driven Development, Pre-Sales, **JSON, HTML5, MVC, MVVM, COM/COM+, ADO (.NET), BizTalk, OLEDB, MQ Series, DCOM, MFC, ATL, MTS, IIS, UML, Rabbit MQ, Spring Boot, Puppet, Chef, ADO/DAO, SOA, OLE Automation, MS Agent (Speech API), Virtual machines, Docker, Synchronize / A-synchronize Programming, XML, PL/SQL, ETL, Micro Services, Data Modeling, Ruby, Meta data, Object Oriented Analysis and Object Oriented Design** using **Visio / Rational Rose Products.**
* With better communication and leadership skills, could handle any project in **N-tier, multi-tier, SOA, Domain and Window DNA** or **Complex** architectures.

**Educational Qualifications and Certifications**

Master’s in Business Administration, UMUC, MD

Masters in Computers, Bharathidasan University, India

Honors Diploma in Systems Management, NCC, UK

Certified Application Developer, MCAD, Microsoft, 2003

Project Management Professional (PMP), PMI, 2008

Information Technology Infrastructure Library v3 Foundation (ITIL), 2011

AWS Certified Solutions Architect - Associate (2013)

AWS Certified Solutions Architect – Professional (2018)

AWS Business Professional Accreditation (2013)

AWS Technical Professional Accreditation (2013)

TOGAF Certified Enterprise Architect (2016)

Azure Associate MCP (2017)

**Development Toolset:**

Microsoft Visual C# 2013, 2012, 2010, 2008, 2005, Microsoft Visual C++ 2008, 6.0, 5.0, 4.0,1.52, Visual Basic 6.0, 7.0, Android 1.x, 2.x, 3.x, 4.x, iPhone, iPad, iPod Touch, Azure, Amazon Web Services (AWS), Active Server Pages (ASP 2, 3),BizTalk 2004, 2006, MTS, Business Objects 5.x, MS Share Point, MFC/ATL, COM **/** COM+/Serviced Components, Managed Services and Components, Threads, Sockets, Events, OLE Automations, OCX, ActiveX, Active Reports, Crystal Reports, Microsoft Agent, Managed Controls, SDK, J-Script/JSP, AJAX, Server-lets, J2EE, J2Me, MOSS, WSS, SharePoint, VBScript**,** HTML, XML, XSD, XSLT, XPath, WebSphere, UML, C, C++, Java, PKI, Digital Certs, RSA, SHA128, html5, jQuery, JavaScript, JSON, Arc , ESRI Maps

**Databases:**

Oracle (7.3, 8i, 9.0, 10g, 11g), Sybase (11.x, 12), SQL Server 6.5, 7.0, 2000, 2008, 2012, Informix 9.0, ActiveX Data Objects (ADO 2.5, 2.6), ADO.net, SQL Plus and MS Access with ODBC.

**Development Platforms:**

Microsoft Windows XP Professional, Windows Vista, Windows 7, 8.1, 10, 2008, 10 Servers, 2000 Professional, NT 4.0/98/95, Windows CE, iOS 5, Windows Tablet PC, Unix [HP-UX (10.x, 11), Solaris (8x), AIX (4.3.x) SVR4, Linux (2.4.x), SCO (3.2.x)], VMS, Windows 3.11 Workgroup, DOS and OS/2, Internet Information Server (IIS),Apache/Tomcat**,** WebSphere,Netscape Enterprise, IBM MQ Series

**Design Tools & Methodologies:**

Visual Studio UML, SAFe 3.x, 4.5, TOGAF, Zachman, Visio, Rational Rose, Rational Clear Case, OOA, OOD, OOP, Rational ClearQuest, RequisitePro, Visual Modeler, Visio, UML, Booch, WinRunner, LoadRunner, Sheridan, Infragistics Controls, Bounds Checker, Clear case, Install Shield, PVCS, VSS, RCS, SCCS, Tivoli, Python, Perl, Verisign, WLBS, UDP, LDAP, TCP/IP, 802.11b, CDPD, Toad, ISO, CMMI process methodology, NLB, IIB, Layer 7,ISO, MVC (model-view-controller), Agile (XP, Kanban, SCRUM), TDD, Continuous Integration, Continuous Delivery

#### **Industry Experience:**

-Financial Management - Security Management -Payroll

-Claims Management/Insurance Industry - Manufacturing -Hotel Management

-Hospital Management - Communication/Mobile -Federal Government

#### **PROFESSIONAL EXPERIENCE**

**GSA, Treasury, USDA, HUD Coe’s Jul 14 – Till Now**

**Enterprise Solutions Architect, SME Consultant**

As a Chief Enterprise Architect, responsible for enterprise portfolio of applications. I have worked on multiple systems and integrated **many applications with technical systems such as Enterprise, Mobile, PEGA, JAVA, J2EE, Spring Framework & Technologies including SharePoint 2010-2013, API Gateway, Python, Enterprise Service Bus, .net 4.0, 4.5, 4.8, .net core 1.8 and 2.0 Visual Studio 2010, 2015, 2019 MS-SQL Server 2008, XML, JSON, REST API, JavaScript and Objective C, Business Objects**. I worked independently and as a part of the team that builds and integrates interactive Web sites, applications, and services for both internal and public sites. Worked on the latest version of the mobile and deployed using Samsung Knox security suite for Androids. My technical domain includes the ability to architect websites, designing data-driven applications, and developing efficient client-server solutions & systems administrations in a **cloud** and **hybrid** environment.

**Cloud Centers of Excellence – Cloud CoE – Senior Solutions Architect**

* Worked as Senior Solutions Architect for the GSA Centers of Excellence
* Worked in all aspects of Phase I of Cloud Adoptions in AWS and MS Azure Platforms
* Created and implemented TBM as part of GSA CoE.
* Written multiple proofs of concepts in Azure, AWS and Serverless Architectures
* Worked on Hadoop Stack, EMR, HDInsight big data architectures
* Worked on HDP platform using Java, Python, HDFS, HBase, Hive, Nifi, Spark, Solr, Impala

**Enterprise Architect – EA Role**

* Performed extensive work on As-Is analysis, Transition architecture and Future-State architecture
* Worked on Cost-Benefit analysis (CBA), TCO, budgeting and cost modelling
* Worked on Technical recommendations, evaluations and proposals
* Worked on Risk management, Control implementations and Change control boards
* Architected and Recommended solutions and implementation plans for mobile and desktop cross device cross platform browser-based application architecture using iPhone/iPad/iPod touch iOS devices and android devices and .NET windows nodes.

**AWS, Azure, SOA, PEGA & Admin Role:**

Worked on the team that helped RATB in moving enterprise systems to **Amazon cloud technology (AWS) solutions to improve its security and agility, consolidate systems, and streamline IT infrastructure** and overhead costs. Worked on Service Oriented Architecture using REST and SOAP methods. Worked on end-points using Mule ESB and worked on various Enterprise Integration Patterns. Used various conversions methods using J2EE and .NET to various conversion formats such as XML, JSON, CSV etc., Worked on agency’s cloud design includes leveraging Microsoft Office 365 for messaging services, and **Amazon’s virtual private cloud (VPC)** for all other enterprise services.

* Work on the mobile product and architect them for the app store
* Worked on CA API Gateway Design/Architecture
* Worked on Python, J2EE/.NET application Architected, designed and developed solution with Micro services
* Work on mobile, web trends and cloud integration using Java/.NET Suites
* Hands-on on PEGA PRPC, Data Pages, UI/UX with Services and Agents
* Worked on multiple Share Point Projects, services to deploy web application and Migration
* Work on the mobile product and deploy them on the app store
* Experience in ESB and message integration techniques, like aggregation, transformation, dynamic routing, content-based routing, re-sequencer, etc., using Mule ESB
* Experience in scalable Mule flows, error handling etc.
* Experience in the design and implementation of Mule transactions, Async flows, message filters, message translators, content enricher and integration patterns
* Experience in the development of testing suites using Mule MUnit and JMeter to test regular mule flow
* Experience with CI/CD tools such as Maven, Jenkins, Gradle, Artifactory, Github, etc.
* Worked on Share Point Projects, services to deploy web application and Migration
* Experience with version control systems such as SVN, CVS, Harvest, and IBM ClearCase
* Expertise working with API Gateway (AWS, Ax-way and CA APIs), Runtime Manager, etc.
* Work on mobile and cloud integration
* Install and maintain Microsoft Windows 2008 R2, IIS, SP2010, Project Server 2010, Site Collections and COTS Software regular upgrades and applying patches
* Install and maintain DNS Services (Primary and Secondary DC) and manage Windows 2008 R2 Server admin accounts
* Maintaining and managing firewall rules on servers running on the Amazon EC2
* Systems and applications monitoring IIS Logs, SQL Logs, alerts notification, issues identification and corrective actions

**Salesforce.com**

* Developed custom code, user interface, business applications, shared rules on Salesforce.com platform to facilitate reporting and enhanced security
* Designed and implemented dashboards, dynamic dashboards and tailored reports for sales, governor, DevOps, and finance departments
* Leveraged clients existing IT framework/CRM system for better data visibility and system integration.
* Worked on controllers, messaging, service facets of the Apex
* Assisted in developing Project Scope, Business Requirements and Functional Requirements with internal team and clients.
* Facilitated the creation of test scenarios and test scripts and worked with data maintenance

**Environment:**

**Microsoft .NET Framework 3.5, 4.0, Java (Eclipse) J2EE, PEGA 7.x,** J2Me, Python, TOGAF, **Microsoft Visual Studio 2010-2019**, SOA, Microsoft SharePoint 2010, Windows Web development with C#, C++, Docker, Objective C, SQL Server 2008, CSS, JavaScript, JSON, jQuery, dojo, XML, XHTML, XPATH, Adobe Flash, , ASP.net 4.0, ADO.net, Puppet, Chef, Rabbit MQ, Knox, **Amazon Web Services (AWS), EC2, VPC, VPN, F5, Jenkins, Salesforce.com, ArcGIS, ESRI GIS Integration, OS X (Lion, Mountain Lion), iPad, iPod Touch and iPhone, iOS 4.x, 5.0, 5.1, Windows 2008, Java, C#, JavaScript, Kafka, Hadoop, HBase, Hive, Nifi, Solr, Spark, HDInsight, Apache Tomcat,** Android**,** iPad, iPod Touch and iPhone iOS 4.x, 5.x, 6.x**,** CRM, Knox Security, **Knockout, MVVM, WCF,** Objective C

**Recovery.gov, Treasury.gov, USASpending.gov, Jun 12 – Jul 14**

**Solutions Architect, Integrator, Consultant**

As a technical Solutions consultant, have worked on the systems and integration in **Mule Soft ESB, Mobile, JAVA, J2EE, Spring Framework, HA Hadoop, Amazon Web Services (AWS) and Open Stack cloud & Microsoft Technologies including SharePoint 2010-2013, .net 3.5, 4.0, Visual Studio 2010, MS-SQL Server 2008, XML, JSON, REST API, JavaScript and Objective C, Business Objects**. I worked independently and as a part of the team that builds and integrates interactive Web sites, applications, and services for both internal and public sites. Worked on the latest version of Recovery.gov app in **Objective “C”** and deployed to the Apple’s app store. My technical domain includes the ability to architect websites, designing data-driven applications, and developing efficient client-server solutions & systems administrations in a **cloud** and **hybrid** environment.

**Mule Soft and SOA Architecture Role:**

Worked on Service Oriented Architecture using REST and SOAP methods. Worked on end-points using Mule ESB and worked on various Enterprise Integration Patterns. Used various conversions methods using J2EE and .NET to various conversion formats such as XML, JSON, CSV etc.,

**AWS EC2, SharePoint/CMS & Architectural Admin Role:**

Worked on the team that helped RATB in moving enterprise systems to **Amazon cloud technology (AWS) solutions to improve its security and agility, consolidate systems, and streamline IT infrastructure** and overhead costs. Worked on agency’s cloud design includes leveraging Microsoft Office 365 for messaging services, and **Amazon’s virtual private cloud (VPC)** for all other enterprise services.

* Worked on Technical Evaluation, Recommendations and Solution Implementation Plans
* Worked on Cost Benefit and TCO calculations
* Work on the mobile product and deploy them on the app store
* Worked on .NET application Architected, designed and developed solution
* Worked on CRM/SharePoint 2010 application design pattern and architectures
* Work on mobile and cloud integration
* Worked on multiple CRM/Share Point Projects, services to deploy web application and Migration
* Designing and Documenting Servers, Systems, Applications configurations using Visio Modeler
* SQL Server database backup and restore on EBS Volumes
* Virtual Servers backup and restore, NLB, Layer 7
* Managing on-site and off-site backup storage
* Worked on Website using Ruby on Rails
* Install and maintain Microsoft Windows 2008 R2, IIS, SP2010, Project Server 2010, Site Collections and COTS Software regular upgrades and applying patches with Jenkins and Puppet
* Install and maintain DNS Services (Primary and Secondary DC) and manage Windows 2008 R2 Server admin accounts
* Maintaining and managing firewall rules on servers running on the Amazon EC2

**Elastic-Search**

* Architected solution for Elastic Search solution for USA spending
* Implemented solution on Elastic search using multiple nodes
* Compared for the accuracy of results between previous search engine and Elasticsearch

**Environment:**

Microsoft .NET Framework 3.5, 4.0, ASP.net 4.0, TOGAF, Microsoft Visual Studio 2010, SOA, Microsoft SharePoint 2010 (CMS), Windows Web development with C#, C++, Objective C, SQL Server 2008, CSS, JavaScript, JSON, jQuery, dojo, XML, XHTML, XPATH, Adobe Flash, ADO.net, **Amazon Web Services (AWS), EC2, VPC, VPN, ArcGIS, ESRI GIS Integration, OS X (Lion, Mountain Lion), Apache Tomcat, Jenkins, Chef, Puppet, iPad, iPod Touch and iPhone, iOS 4.x, 5.0, 5.1, Windows 2008, Java, C#, JavaScript, ETL, Elasticsearch,** Android**,** iPad, iPod Touch and iPhone iOS 4.x, 5.x, 6.x**,** CRM, **ETL, MVVM, WCF,** Objective C

**USDA - FS, VA, Mar 08 – Apr 12**

**Mobile Technology Consultant / Mobility Architect/ Lead**

**Description:**

Architected and developed mobile cross device cross platform browser-based application for iPhone/iPad/iPod touch iOS devices and android devices with Visual studio model view controller architecture, HTML5, jQuery and JavaScript.

The Integrated Mobile Applications (IMA) suite provides applications that allow the user to enter data while in the field, and upload the data to NRM when they return to the office and connect to the network. Some front-desk applications also require the ability to work in disconnected mode, in order to continue serving public customers and users in cases where field office networks are very slow or unstable. IMA applications run on a variety of mobile devices, including notebooks and tablet computers running Windows, and handheld devices running Pocket PC, Android and Windows Mobile. Mobile Workflow software in an integrated shared platform connected via windows shared services.

The mobile devices utilize a common Mobile Data Builder application for downloading data from I-Web and for uploading data back into the database. Used Service orient Architecture (SOA) in check-out and check-in process is defined for each mobile application in the Integration Mobile Framework, a database schema containing metadata describing the data required by each application, and a series of procedures for data validation and loading. Project is CMMI Level 2 certified.

**Environment:**

Microsoft .NET Framework 2.0, 3.5, 4.0, Microsoft Visual Studio 2008, 2010, J2ME, J2EE, SOA, MOSS Enterprise 2007, WSS 3.0, Windows Mobile 5.6/6.0, Windows Forms development with C#, C++, Windows Mobile development, Oracle 9.x, 10.x, 11g, xml, ADO.net, ODP.net, Windows Azure (Cloud Services), Amazon Web Services (AWS**), ArcMaps, ESRI GIS mobile Integration, IBM Work light, IBM MQ Series, Salesforce Lightning Connect, Apex, Sencha Touch, Windows CE, iPad, iPod Touch and iPhone, iOS 4.x, 5.0, Android 1.x, 2.x, 3.x, 4.x.**

**IRS, DC & MD, July 05 – Feb 08**

**CI & CDE, Business / Technology Consultant**

**Description:**

CDE and CI both are. Net-based application implemented for Federal government. I was involved in CI Architecture, from the design & developmental stage to implementation into production stage. In CDE project, I was involved from the beginning of the project till the implementation into production. XML is the preferred language to construct the messages and XSD is used to validate the structure. This interfaces with the SQL server engine that triggers the process to write the messages into the local and remote queues. The service at the other end of the channel constantly listens for the messages and dispatches to the respective end user application

**Role:**

* As Senior Consultant and SDM, **Designed and Developed C# Business objects, SQL Stored Procedures and MQ for middle tier and interacted with Site minder** componentsusing predominantly C#
* Responsible for **Design, Development and Testing XML / XSD validation Request / response structure of the Business and client message communications.**
* **Worked on BizTalk middle tier**
* Developed C# components using XmlDb, Data set and XML Web Service
* UI for Windows
* MQ Messaging interfaces to interact with various queues and host systems
* Communications With SQL Server .net and Access using messages

**Environment:**

**Visual C# 7.0, BizTalk 2004 & 2006, ADO (.NET),** **ASP. Net**, **COM+**, Windows 2000, 2003, Windows XP Prof., Windows NT, **Windows CE**, **Python**, Windows Tablet PC, MS Access, **UML**, **XML**, IIS, JSON, CSS, HTTP, **XML/XML Schema DOM**, **IBM MQ-Series, UML, JavaScript, VBScript,** **Oracle 8.x, 9.x**, SQL Server 2000, DB Mining and Engineer, Visual Source safe, Version Manager, Rational Rose

**United Parcel Service Company, MD Feb 05 – Jun 05**

**Package Operations, Consultant**

**Description:**

This project is core MQ programming using C#, C++ on Windows platform. Programmatic approach and using MQ Calls have been used to create local queues, remote queues, Xmit queues and channels. Encoding and decoding the data packets between communications is the heart of this core engine. Unicode and multi-bytes encoding support is provided.

At one layer above, we should able to put and get messages using the regular programming methods. XML is the preferred language to construct the messages and XSD is used to validate the structure. This interfaces with the SQL server engine that triggers the process to write the messages into the local and remote queues. The service at the other end of the channel constantly listens for the messages and dispatches to the respective end user application.

**Role:**

* As a Senior Consultant**, Designed and Developed Business objects and MQ Objects for middle tier and Web sphere components** using C# and VC++
* Responsible for **Design and Testing XML / XSD validation Request / response structure of the WebSphere MQ Server and Message client communications.**
* Developed C#, MC++, VC++ components using Data set, Record set and XML Web Service
* UI for Windows CE using windows CE and CE Emulation 4.2 .net
* MQ Messaging interfaces to interact with various queues and host systems
* Communications With SQL Server .net and Access using messages

**Environment:**

**VC++ 7.0, Visual C# 7.0, MC++, ADO (.NET),** **ASP. Net**, **COM+**, Windows 2000, Windows XP Prof., Windows NT, **Windows CE**, Windows Tablet PC, MS Access, **UML**, **XML**, ETL, HTTP, **XML/XML Schema DOM**, **IBM MQ-Series, Sibel,**  **Oracle 8.x, 9.x**, SQL Server 2000, Visual Source safe, Version Manager, Rational Rose, MS SharePoint

**Baltimore Gas & Electric, MD Feb 03 – Feb 05**

**Field Resource Management, Consultant**

**Description:**

Wireless work order dispatch system between Wireless Mobile PC’s and Dispatcher Desktops. Works with PCAD and CDPD systems. The work orders are dispatched to the work engineers from the dispatcher workstations using MDS Dispatcher/Mobile Systems.

Middle layer is managed components written in Visual C# and COM Components with using Visual Basic. Oracle database is used as the backend database. Wireless mobile notebooks use MS Access as their local database and this is updated by wireless radio. COM and serviced components have been used. UI for windows CE has been created using CE .net emulation software.

For messaging, MQ Messaging Server used between communication ends. Worked on Queue poll and pull. Local message server encapsulates the MQ Messaging server and communicated via Message clients. XML DOM architecture is heavily used for sending messages.

**Role:**

* As a Senior Consultant**, Designed and Developed Business objects in Middle tier COM+** componentsusing VB .NET and C#
* Responsible for **design and Testing XML Request / response structure of the MQ Server and Message client communications.**
* Developed C#, VB.NET components using Data set, Record set and XML Web Service
* UI for Windows CE using windows CE and CE Emulation 4.2 .net
* MQ Messaging interfaces to interact with various queues and host systems
* Communications With Oracle and Access using messages

**Environment:**

**VB.NET 6.0, Visual C # 7.0, ADO (.NET),** ASP**. Net**, **COM+**, Windows 2000, Windows XP Prof., Windows NT, **Windows CE**, Windows Tablet PC, MS Access, **UML**, **XML**, HTTP, **XML/XML Schema DOM**, **IBM MQ-Series, RS6000 AIX 4.3.3** with **Oracle 8.x, 9.x**, Visual Source safe, Rational Rose, Pragma COM, Business Objects 5.x, MS SharePoint

**AMS - Asset Management Company, PA Jan 02 – Jan 03**

**Global plus, Global plus Messaging**

**Description:**

Asset Management using Global plus software that makes buy and sell of securities, multi currencies, multi-lingual software to manage the asset owned by individuals, corporations and banks. Manages the security brokers, fixed assets, liquid assets with user friendly GUI. Makes trades up to trillion dollars. Execution Tickler and Transaction Tickler handling is done using XML on outbound message on the MQ-Series using MHH Monitor.

**Role:**

* As a Senior Developer**, Designed and Developed the Middle tier VC++/C** components.
* Developed and debugged modules of Inbound/Outbound messaging in IBM MQ-Series
* Responsible for **Design and Testing of Global plus in AIX and G-plus Messaging using AIX MQ-Series**
* Developed interface using XML/XML Schema for Outbound Messaging
* UI for Windows CE and Emulations
* Developed application in VC++/VB for unit/integration testing of the services.
* Portability testing performed using Oracle 8.x

**Environment:**

**Visual C# 7.0,** **VC++ 7.0**, ADO(.Net), **ASP. Net**, **COM+**, Windows 2000, Windows CE, VMS, Unix, **SQL Server 7.0**, **UML**, **XML**, HTTP, .net WEB Service **C++/C**, **GNU C++**, GDB, **XML/XML Schema**, **IBM MQ-Series, RS6000 AIX 4.3.3** with **Oracle 8.x**, e-ChangeMan, Customer First, **X-Windows CDE, Global Plus, ClearCase, PL/SQL**

**Legg Mason, Financial Brokerage Company, MD Feb 00 to Dec 01**

**Security Lite / PerfMon /Security Related Products, Consultant, Project Manager**

**Description:**

Security related product, written in VC++/C++ that authenticates and validates its user whoever login to the application after domain login or direct application login. Perform variety of tasks like has access to various applications, has access to Branch, Division, Region, Firm and Super firm. The different modules are LMADO, LMCrypt, LMDBLite, PerfMon, Sec2000, and Data Security Form.

**LMADO / LM Crypt / LMDB Lite:**

Data service layer for the above components, written using ADO connectionless objects. Encryption components written in MTS, using RC4, 128 bit. Uses default Microsoft security context for encryption/decryption. Work with stream/block algorithms conversion switch. Initially implemented with 1/1 cipher. Digital certificates using Veri-sign and thawte another MTS component used to retrieve asset management set of data from the Sybase database. Has variety of calls with respect to Asset management. All calls are sync.

**Perf-Mon / Sec 2000 / Data Security Form**

Sec2000 is the visual basic front end/VC middle tier application that updates the database thru forms and grid controls. Retrieves/ Stores values from / to the database. Has the User interface for values to be stored in the repository. Does auto authentication based on the NT user login and validates against the security-lite software component.

**Role:**

* **As a Lead/Senior Developer, Designed and Developed the Middle tier COM components for SecurityLite/PerfMon/Sec2000/Cryptography using PK Infrastructure.**
* **Designed architecture document using Visio UML**
* Developed the front-end ASP/HTML file for Data Security Form using ATL components and user interaction and optimized the implementation.
* **Implemented the Stored procedure to run MTS Components interacting with Sybase / Oracle multiple data connections.**
* **Researched and implemented PKI RSA128 Bit encryption using RC128 /SHA128 and certificates using Verisign**
* Involved in Database design and SQL, PL-SQL/Stored Procedure scripts.
* Developed prototype for MSMQ message queue
* Developed Perfmon integration of components using system Perf-Mon utility
* Developed Test applications in VB for Unit Testing and System testing and Win Runner

**Environment:**

VC++ 6.0/C++, ATL/MFC/SDK, COM/COM+, ADO, MTS, IIS, VB 6.0, ASP, MSMQ, Windows NT, Sybase 11.x/12, XML, HTTP, HP 10.2x, AIX, Win-Runner, UML, RSA, Certificates, VSS, SQL Server 7.0

**Internet Dynamics, Internet Security Company, CA** **Nov 99 - Feb 00**

**ISAPI/NSAPI Filter, Consultant**

* **As a Senior Team Member, developed/Debug ISAPI filter using IIS/Apache/Netscape web servers interacting with Oracle Virtual DB**
* **Interacted with the Oracle Database using Stored Procedures, Triggers and SQL-PL/SQL Scripts.**

**Environment:** **VC++/MFC, IIS,** Netscape Enterprise Server/Apache, SQL Server 7.0, Oracle 7.3 & Windows NT, Windows 2000, Linux, Python.

**WORK AUTHORIZATION**

US Citizen

**CLEARANCE**

MBI

Active Public Trust

**CONTACT**

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**Herndon, VA**

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