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Visa Status: Permanent Resident of USA and eligible to work

**OBJECTIVE:**

To obtain a challenging career in the field of Project Management/Software Development/System Analysis.

**SUMMARY:**

Approximately 14 years of Project Management, Systems Engineering & software architecture, design and development experience including:

Customizing Oracle Identity Manager to manage the entire user lifecycle.

Working knowledge of creating Work Breakdown Structures, Gantt charts and estimating project duration in both Agile and Waterfall methodology.

Defining requirements for the Optical network management system by interacting with architecture, systems engineers and product management teams across the globe.

Analyzing the network elements (NE) functionality and mapping them as features for Optical network management system by interacting with NE teams from different parts of world.

Participated in pre-merger architectural discussions between Alcatel and Lucent NMS teams.

Scrum Master of the Network adapter team for the successful delivery of functionalities, while guiding the team on how to use Agile/Scrum practices.

Expertise in analysis, Design and development of the EML/NML functionalities of SONET/SDH and DWDM network element features for the network management system using Java.

Expertise in defining a sub-systems using Object orientation analysis and design using UML notations.

Design and Development of Performance Monitoring Subsystem for Digital Access Cross-Connect System.

Expertise in developing simulation software and tools under UNIX using C++.

Database development under Oracle, including data modelling and physical implementation.

GUI development for telecommunications network modelling using X-Designer and X Window/Motif.

**SOFTWARE:**

<i>Language:</i>	JAVA, C++, UML, C, SQL/ESQL
<i>DBMSs:</i>	LDAP, AD, OUD, Oracle, MS SQL Server
<i>Protocols:</i>	TCP/IP, TL1, CLI and SNMP.
<i>Packages:</i>	Eclipse Neon 3, Apache Directory Studio, Oracle SQL Developer, Rational Rose (UML), X-Designer
<i>Microsoft:</i>	Word, Power Point, Excel, SharePoint, Project
<i>Version Control:</i>	Bitbucket, SVM, ECMS, CMTS, SABLIME, Clearcase
<i>Operating System:</i>	Unix, Linux
<i>Methodology:</i>	Waterfall, Agile, DevOps

## **CERTIFICATIONS:**

Project Management Certification from Cornell  
Certified Scrum Master from ScrumAlliance

## **EXPERIENCE:**

### ***12/2018 – present; Software developer*** – IdentityNest LLC, Cary, NC

Client has Oracle Access Manager and Oracle Identity manager installed to manage access and governance which was implemented during Phase I implementation of project in which most basic use case and all the component installation were achieved. Stack is installed in OMCS and SAML SSO is enabled using OAM and ADFS for various on premises deployed applications. Responsibilities:

- Worked with the IdentityNest team in communicating with client discussing requirements, understanding business requirement, preparing Requirements document, Solution Design document, Problem Solving, debugging, developing solutions, assisting team of more than 5 people, Reporting, managing task, Development and delivery
- Project tracking and bug tracking is done using Jira. Used Sourcetree to access Bitbucket version control repository for all software development purposes.
- Creating high level and low level documents and sharing with clients • Proposing solution, Development of functionalities and sharing Deployment plan
- Coordinating with team helping them with documentation, developments, policies status reports and version control, document control
- Created a JAR file to be used in a portal project providing a wrapper around OIM API's to facilitate Account Provisioning, Entitlement provisioning User creation – Using OIM API's
- Various scheduled job creation, Event handlers, adapters, Notification and various other customizations
- Development of custom code/Schedule tasks, Event handler, Process Task, Prepopulate Adapters, Notification Resolver
- Installation, Configuration and customization of connectors

Technology/Tools: Oracle Identity Manager 12c & 11gr2, OAM, JSP, Java, Eclipse neon3, Java, Apache Directory Studio, LDAP, AD, OUD, Oracle SQL Developer, TortoiseSVN, ANT, WebLogic Server 12c

### ***11/2017 – 10/2018; Software developer*** - CompleteTestAutomation, Bangalore, India

Part of Project Management and Development team for a small startup that developed a product for complete test automation that involved writing Lexar and Scanner Utilities/Tools that were used to extract the Grammar and code-format to parse input files. My Accomplishments:

- Introduced new process and standards
- Tracking the progress of “Earned Value”
- Planning and carrying out customer demo.
- Wrote code to parse any input to tokenize the Objects for further processing.
- Created database schema that should match the structure in Parser and Lexar files.

- Used ANTLR for structured parsing.
- Lead the design and development of the project
- Analyzed performance
- Participated in the requirements gathering
- Assign tasks among the team members and help as required
- Organized the code review
- Design/Code/Test

Technology/Tools: Eclipse neon3, Java, Neo4j – Graph Database, Microsoft Project, ANTLR

**04/2015 – 04/2016; Technical Support - NGO - volunteer, Bangalore**

As a member of four people team, I was developing a web-based collaboration Platform using Microsoft SharePoint and helped the team to understand the importance of collaboration and effectiveness of having a secure and centralized access to information.

**06/2010 – 11/2010; LMS Research – Volunteer in IIMB, Bangalore**

As a member of three people team, I did research on Learning Management System (LMS) with the help of Dr. Shankar Venkatagiri.

I did the research on different LMSs like Sakai, Moodle, ilias, Atutor, efront, Dokeos to compare them based on usability, scalability, interoperability, stability, security and flexibility.

**1/2005 - 4/2009; Senior Technical Specialist, Alcatel-Lucent India Ltd. – Optics Network Management Product Unit, Bangalore**

As a member of Optical Network Management System team, I was involved in:

- Successfully delivered multiple releases of 1350-OMS as a scrum master for the scrum team which delivered the NML/EML functionality. I was responsible for coaching, sprint planning, sprint revive and retrospect as we moved from waterfall methodology.
- Leading the TNA/SNA component development team, responsible for defining the scope and objectives for each release based on the customer requirements. I was responsible for allocation and tracking of resources to develop EML features of 1350-OMS. Team was of size 16 with 5 technical specialists and 11 engineers. I was also responsible to track defects for customer test activity and support remotely and onsite. The responsibilities included interactions with architects, systems engineers and product management teams across the globe, to facilitate the project delivery. Worked with Product Owner to prioritize and break down the work and to identify the risks before and during the release.
- Systems Engineering role, which involves understanding of the TL1, CLI and SNMP Network elements's EML and NML features and defining the interface requirements. The responsibilities included analyzing the EML features of SDH/SONET/DWDM and Ethernet network elements (NE) functionality and mapping them as features for Optical network management system by interacting with NE teams from different parts of world and providing the Feature design document and Mapping documents for the EML development team. The responsibilities were also included to provide the uniform XoS (XML over Socket) methods for the features and how each XoS request would be mapped to NEs commands. XoS was used to communicate with Adapters to the network layer components in the 1350-OMS system.
- I was part of the joint architecture team represented by Architects from Alcatel and Lucent teams across the globe, who were involved in pre-merger discussion to define converged optical network management product.

- Project Management responsibilities included planning, estimation, designing, executing, monitoring/tracking and completion of features for delivery to System Test team for multiple releases in TNA for EML features of 1350-OMS
- Software development responsibilities included analysis and core **Java** coding to provide the Element Management Layer support for 1350 OMS.
- Managerial responsibilities included my participation in recruitment and coaching the new team members to bring them up to speed to understand the architecture of the product and also the development environment/process. Provided the input to the managers for the mid-year and year-end performance appraisals.

***7/1997 - 3/2002; Software consultant & Member of Technical Staff,***

***Lucent Technologies*** - ONG, Holmdel, NJ

As a member of Alarm team of WBWM (Wavestar BandWidth Manager AKA Lambda Manager) product, I was involved in redesigning and developing the Alarm processing subsystem in C++, which involved:

- Redesigning Alarm handling Subsystem of WBWM to handle special conditions like alarm storm when the system is overloaded. This effort involved enormous redesign effort to allow the System to perform without loosing service even during the Alarm storm. Regression and stress testing effort was done using a special tool called DART (Desktop Alarm Regression Test) and using a fully loaded WBWM system.

As a member of Alarm team leader I was involved in:

- Redesigning and correcting a major design flaw in the previous architecture in storing, retrieving and displaying the Alarms in any order the user wants to retrieve. This effort gave used the flexibility of Filtered retrieve option as stated in the requirements of WBWM system.

As a member of Initialization focus team, I was involved in Analysis of the system start-up for WBWM system. The team responsibilities involved:

- Analysis of different possible triggers that might be resetting the System.
- Documenting the Initialization sequence to bring the System up to an operation state without affecting the Service in each case.

As a member of Equipment Management functional team, I was involved in Analysis, Design and Development of WBWM system. Rational Rose (version 4.0.15) is used for use-case modeling and designing the class diagrams in **UML** (Unified Modeling Language) to generate code in **C++**. Preliminary unit testing is performed on Desktop simulator using **MULTI** debugger. I was also involved in developing WBWM release R0.3, which is a effort to educate a team to a subset of WBWM features. This effort is to get a good hands on experience with the ICORE infrastructure and to get familiar with the Software Development Environment which was used to educate the remaining team for future WBWM development efforts. Contributed towards the Equipment Management Functional Analysis Specification document, which was an input for the Software Development team.

***1/97 - 6/97; Software Consultant*** - ABM, Lucent Technologies, Holmdel, NJ

As a member of 3 people Software Architecture team, I was involved in defining the Software Architecture for Performance Monitoring and Audits for ABM (Anymedia Bandwidth Manager), which is a broadband cross connect system

designed to be consistent with the Lucent's SONET product line. The Architecture is based on Platform and Frame Works. ABM is capable of terminating and cross-connecting 4608/ 9216 STS1 signals at a time. Used **Rational Rose** to develop scenarios to trace the message flow, software development done using **C++**.

**7/95 - 12/96; Software Consultant** - DACS IV - 2000, AT&T Bell Laboratories, Holmdel, NJ

Designed and implemented performance monitoring (DS1/DS3/STS1) software for the DACS IV-2000 system. DACS IV-2000 is a large, embedded multitasking Digital Cross Connect System which terminates DS1, DS3, STS1 rate signals and cross connects them at the DS1 level. It is comprised of a collection of loosely coupled Motorola 68000 microprocessors (68010/68030) which communicate across either a 1MB or 10MB LAN. Development is done using **C** on **SunOS** and is cross compiled (using **nmake 3.0** and **SGS**) for the target environment i.e., **MC68xxx** running the **pSOS/pSOS+** operating system. Source code control and change management are handled through both the **ECMS** and **CMTS** tools.

Tested the Provisioning and Performance Monitoring features of IOC (Integrated Operations Controller), which is a Graphical User Interface used to improve local operations by consolidating the craft interfaces of DACS IV-2000, DDM-2000 OC-3 and DDM-2000 OC-12.

**6/93 - 12/94; Programmer** - Center for Telematics, SIMLAB, Monmouth University, NJ  
Worked as a programmer for developing a prototype environment for performance analysis and modelling of ATM Networks for DOD (Fort Monmouth) project, using standard Simulation techniques. Used UNIX tools like **dbx** & **make** extensively. Responsibilities and accomplishments include:

- Developed data manipulating software modules for modelling Computer and Telecommunication systems using Simulation and analytical tools. This involves coding using **C++** under **Solaris** on **SUN** workstations. Object Oriented concepts like Inheritance, Encapsulation, Function Overloading etc. are extensively used in developing the modules. Advanced concepts of **C++** like Polymorphism and Templates were used for achieving Inheritance and software reuse.
- Developed GUI modules using **X-Designer**, a software code generating tool, for modelling Telecommunication network systems. This tool runs on Solaris on SUN workstations. Callback routines are developed using standard **Motif** library functions.

**2/93 - 6/93; Graduate Student Help** - School for Children, Monmouth University, NJ

Responsible for developing a database for maintaining student and staff records using **MS-ACCESS**.

**1/89 - 1/92; Lecturer** - Electronics and Computer Science Dept., S.M. Polytechnic, Sagar, India  
Taught undergraduate level courses, including: Assembly Level Programming (Intel 8085/8086); Digital Systems; Switching Automata Theory; Electronic Communications. Conducted Computer Laboratory, that entailed teaching **dBASE III+** and providing guidance to students in seminars and projects.

**EDUCATION:**

**M.S. Computer Science**, Monmouth University, W. Long Branch, NJ --- 12/94

**B.S. Electronics & Communication Engineering**, Mysore University India --- 12/88