VARDHAMANITHI NARAYANAN SIVASAILAM	Phone +919663138181
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QUALIFICATIONS

- 21+ years of industry experience in varied areas namely project management, architecture, application design, development, product walkthrough, user training, implementation, bug fixing and customer support
- Hands on Technical expertise spanning Oracle Database, Java, Oracle Application Developer's Framework, MongoDB, AngularJS, Elasticsearch with experience in designing applications ground up, laying emphasis on designing for system performance.
- Functional expertise in Access Groups Based Data Security, Oracle Sales Cloud Sales Forecasting and Territory Management, Oracle E-Business Suite Service, Siebel Field Service Scheduler, FLEXCUBE Treasury Front Office Processing, Fund Transfer and Workflow Management.
- Exposure to Medvantage, a healthcare CRM product from Cognizant.
- Seasoned engineer with expertise in Agile Scrum based project management, analysis, design and development of new systems and enhancing existing systems, adhering to Oracle CX Cloud development standards
- Successfully handled projects for highly demanding clients in several geographies.

WORK EXPERIENCE

Organization	Designation	Duration	From	To
Oracle India Pvt. Ltd., Bangalore, India	Senior Principal Applications Engineer	3y-2m	Jun 2018	Till Date
Cognizant Technology Solutions, Bangalore, India	Associate Director, Projects	1y-3m	Feb 2017	May 2018
Oracle India Pvt. Ltd., Bangalore, India	Senior Principal Applications Engineer	1y-6m	Aug 2015	Feb 2017
Oracle America	Senior Principal Applications Engineer	3y-8m	Mar 2013	Aug 2015
	Principal Applications Engineer		Jan 2012	Feb 2013
Oracle India Pvt. Ltd., Bangalore, India	Manager, Fusion Applications Development	8y-0m	Mar 2007	Jan 2012
	Project Leader, Service Development		Aug 2005	Feb 2007
	Senior Applications Engineer, Service Development		Jan 2004	Jul 2005
i-flex solutions Ltd., Bangalore, India	Associate Consultant	3y-7m	May 2000	Jan 2004
NIIT Ltd., Chennai, India	Senior Systems Associate	1y-2m	Feb 1999	Apr 2000

SKILLS

Languages	Java, Javascript, SQL, PL/SQL, C++, C, Unix Shell Scripting
Development Tools	JDeveloper 10g/11g, Visual Basic 6.0, Visual C++ 6.0, Eclipse
RDBMS / DBMS	Elasticsearch, Mongo DB, Oracle 8i/9i/10g/11g /12c, SQL Server 6.5/7.0, Sybase System 10, MS-Access
Internet Technologies	Javascript, Angular JS, Node JS, XML, Java Servlets, JSP

Frameworks	Oracle ADF, OA Framework, MFC
Applications	Oracle Access Groups Security Framework, Cognizant Medvantage, Oracle Sales Cloud (Sales Forecasting, Territory Management), Oracle E-business Suite (Service), Siebel Field Service (Scheduler), FLEXCUBE Corporate (FX, MM, RFT, Workflow)

PATENTS FILED

Invention	Date of Filing
REAL-TIME METRIC AGGREGATION FOR TRANSACTIONAL SYSTEMS USPTO Application No.: 15/158,169	18-May-2016
Synopsis: This algorithm proposes a method to compute and present up-to-date analytical metrics in transactional systems. The proposed design is to initially aggregate numbers from the transaction tables at required granularity and store them in a table called the Fact table. Differentials of transactional changes performed subsequently will be appended to a separate table called the Log table. Metrics will be computed as a summation of the numbers in the Fact table and differentials in the Log table. As the Log table can grow over time, periodically, the Log table will be merged into the Fact table.	

EDUCATION

Institution	Course	Year of Completion	Marks Obtained
The Institute of Correspondence Education, University of Madras, Chennai	Master of Computer Applications	May 2001	71.66 %
Sri Ramakrishna Mission Vivekananda College, Chennai	Bachelor of Commerce	May 1997	68.86 %
Padma Seshadri Bala Bhavan Senior Secondary School, Chennai	XII Std	May 1994	89.40 %
Padma Seshadri Bala Bhavan Senior Secondary School, Chennai	X Std	May 1992	81.00 %

CERTIFICATIONS

Certification	Date of Completion
Sun Certified Java Programmer (**SCJP**) in Sun Java 2 (JDK 1.2)	February 2000
Microsoft Certified Solutions Developer (**MCSD**)	April 1999
Gold Medalist in **GNIIT,** NIIT Limited, Chennai, India	August 1998

CURRENT ROLE

Architect and Scrum Master of the Oracle CX Cloud development group, responsible for technical architecture and development of the Access Groups Security Framework.

PROFESSIONAL EXPERIENCE

Oracle India Pvt. Ltd., Bangalore	

Period	Jul 2018 – Till Date
Project Title	Oracle CX Cloud - Access Groups Data Security
Employer	Oracle India Pvt. Ltd.
Client	NA (Product Development – Fusion V1-R13)
Team Size	Architect and Scrum Master, managing a team of 4 developers

Software	Oracle ADF Framework, Oracle Database
Role	Architect and Scrum Master

Currently the Oracle CX Cloud does not support custom data security out of the box. The customers have to extend a highly technical, SQL based data security architecture that is used internally in the application. This is causing several performance issues and also is error prone. To better the customer experience in this area, I am working on a design that enables creating groups of users and build rules that would assign the objects to the groups, thereby granting access of those objects to the users. This framework is already implemented by 40+ CX products within Oracle CX Cloud and is being actively implemented at customer sites. Several large installations have also gone live with this security framework for their custom security requirements. Currently we are focusing on moving the standard data security to this framework and a migration strategy to move customers to this new security framework.

Cognizant Technology Solutions, Bangalore

Period	Apr 2017 - present
Project Title	Medvantage Regulatory Reporting
Employer	Cognizant Technology Solutions
Client	NA (Product Development – Medvantage R3.7)
Team Size	Architect, working with 3 team members
Software	Salesforce Apex, Dell Boomi, AS2
Role	Technology evaluation, prototyping, architecture, design, technical project management

This feature is part of the Compliance module of Cognizant Medvantage. When a medical device causes death or injury to a patient or if there is a malfunction of the device observed, which may cause potential damage to the user of the device, a report needs to be submitted to the regulatory authority of the country. This would be FDA in USA, CVMD in Canada and so on. This module generates and files regulatory reports in such scenarios, manages responses for submissions and maintains status of submissions in Medvantage. In the event of submission failures, the module automatically re-initiates the submission through a background job, until success. Some regulatory authorities encourage online submissions while some only support offline PDF submissions via email. Both modes are supported. Dell Boomi, an IPaaS, is used as the integration layer between Medvantage and the communication channel of the regulatory authority.

Period	Apr 2017 – present
Project Title	Project Management Dashboard
Employer	Cognizant Technology Solutions
Client	Internal, project management tool
Team Size	Architect, working with 1 team member
Software	JavaScript, Angular JS, Java, Jersey, MongoDB
Role	Prototype, architecture, design, code

Product Solutions Group is the product development group within EAS in Cognizant. This group works on multiple product development tracks in parallel. The management needs a tool to keep track of the progress of various tracks in one place. The program managers will be able to upload the project plan to this tool periodically and generate analytical reports to present the project progress to the management. This tool features creation of dashboard widgets like tables, graphs, gantt charts, free form rich text, images etc. from data stored in a MongoDB database. MPP files, Excel spreadsheets, JIRA tasks etc. may be uploaded into a MongoDB database through this tool. A facility to write MongoDB queries is available with which dashboard items like gantt charts, graphs, tables etc. may be created. These Dashboard items may then be arranged in a dashboard using the dashboard builder provided. The data uploaded to the database may be versioned and dashboard items may be created based on multiple versions of the data, facilitating comparative graphs, tables etc.

Period	Aug 2017 – Sep 2017
Project Title	Quote Builder to Zuora Integration POC
Employer	Cognizant Technology Solutions
Client	NCR
Team Size	Architect, working with 2 team members

Software	JavaScript, Angular JS, Java, Jersey, Zuora, Salesforce Platform
Role	Architecture, code (UI in AngularJS) and technical project management

NCR was working to integrate their internal quote builder solution ZQuotes to a billing platform that supported subscription products. They had identified Zuora for this capability and requested Cognizant to develop a POC that would evaluate the possibility of integrating ZQuotes with Zuora. The POC was built independently outside ZQuotes in an attempt to understand the technical nuances while implementing such a solution in ZQuotes. ZQuotes was built on SFDC platform. The POC comprised of Apex classes in ZQuotes to expose the CRUD operations for quotes including custom fields created for subscription quotes, and invoking REST services available on Zuora to create the subscription quotes on Zuora. The POC UI was built to mimic the UI in ZQuotes using AngularJS.

Oracle India Pvt. Ltd., Bangalore

Period	Jul 2016 – Feb 2017
Project Title	Oracle Sales Cloud - Sales Forecasting – Data Security Predicate Performance Improvements
Employer	Oracle India Pvt. Ltd.
Client	NA (Product Development – Fusion V1-R13)
Team Size	Individual Contributor, working with 2-4 members from other teams
Software	Oracle ADF Framework , SQL
Role	Review performance issues in product and identify fixes

Oracle has implemented Sales Cloud internally and uses it to track its Sales Forecast as well. This system provides a wealth of information on the realtime usage and performance of the system. On a regular basis, user experience is measured by locating slow sessions, low response incidents, slow SQLs in this system. I have been involved in identifying root causes of slow clicks by using tools like JFR and JRockit and tuning the slow SQLs. In this process, I identified issues in data security predicates that caused performance problems. I am also working on a prototype to provide an alternate approach to design the data security predicates, for which I have got promising results so far.

Period	Apr 2016 – Jun 2016
Project Title	Oracle Sales Cloud - Sales Forecasting – Diagnostics
Employer	Oracle India Pvt. Ltd.
Client	NA (Product Development – Fusion V1-R13)
Team Size	Individual Contributor, delegating to 1 team member in dotted line
Software	Oracle ADF Framework , Oracle Enterprise Scheduler Service, PL/SQL
Role	Designed and developed a set of diagnostic scripts that would comb through the Forecasting Transactional data and Setup data to identify patterns to indicate the health of the system.

Since Forecasting is dependent on several systems like Territory Management, Calendar, GL setup, etc., this project was aimed to ensure forecasting setup is free of errors and the touch points with other systems are correctly configured. This helped saving the customer support team, several sessions with the customer to check and correct their Forecasting setup, thereby improving customer success.

Period	Sep 2015 – Mar 2016
Project Title	Oracle Sales Cloud - Sales Forecasting – Forecast Autopilot Job
Employer	Oracle India Pvt. Ltd.
Client	NA (Product Development – Fusion V1-R13)
Team Size	Individual Contributor, delegating to 2-4 team members in dotted line
Software	Oracle ADF Framework , Oracle Enterprise Scheduler Service, PL/SQL
Role	Designed and developed the code and automated test scripts for the Forecast Autopilot Service. Supported QA in testing the service.

Forecast Autopilot is a background job that orchestrates other background jobs that need to be run to maintain a Sales Forecast schedule. The process is designed to automatically compute the job schedules for all background jobs, without any user intervention. It also executes jobs at the required intervals automatically, based on the computed schedule. This job eliminates the need to manually run Forecasting jobs or schedule them at specific time intervals, thereby rendering the product free of administrator's

intervention.

Period	Jul 2015 – Sep 2015
Project Title	Oracle Sales Cloud - Sales Forecasting – REST Web services
Employer	Oracle India Pvt. Ltd.
Client	NA (Product Development – Fusion V1-R13)
Team Size	Individual Contributor, delegating to 2 team members in dotted line
Software	Oracle ADF Framework
Role	Designed REST webservices for Fusion Sales Forecasting business services and helped team code and unit test the REST webservices. Also assisted team in building automated tests for REST webservices.

REST services were used to build mobile applications throughout Fusion Sales Cloud and some customers who wanted additional UIs to be built on top of the existing UIs of Fusion Sales Cloud. In this respect, REST services were built to ensure all the CRUD operations could be performed using REST services. I lead the team by interacting with the central architecture team that provided the standards to be followed while building the REST services and based on the designs on the standards. Designed and built part of the automated tests for REST services.

Oracle America, Redwood Shores	

Period	Sep-2014 – Jun 2015
Project Title	Oracle Sales Cloud - Sales Forecasting – Test Automation, Load testing, Volume testing
Employer	Oracle America, Redwood Shores
Client	NA (Product Development – Fusion V1-R10,R11)
Team Size	Individual Contributor, delegating to 2-4 team members in dotted line
Software	Oracle ADF Framework , Selenium, Oracle Enterprise Scheduler Service
Role	A senior member of the Oracle Fusion CRM Application Development, leading the enhancement of automated testing of the UI flows.

Several new UI flows were introduced in the product since R8. To enhance the regression testing and load testing capabilities, test automation was built on the key functional flows. The tests were built in such a way that they could be reused for load testing as well, without any changes. These tests are being continuously run and have helped identify several regressions in the subsequent releases. These tests were also useful in identifying performance bottlenecks, which were subsequently analyzed and fixed. Wrote scripts that would generate large volumes of data and used that data to perform volume tests on the UI flows. Identified several performance issues and fixed them.

Period	Oct-2012 – Aug 2014
Project Title	Oracle Sales Cloud - Sales Forecasting – Metrics Framework
Employer	Oracle America, Redwood Shores
Client	NA (Product Development – Fusion V1-R8,9,10)
Team Size	Individual Contributor, delegating to 2-4 team members in dotted line
Software	Oracle ADF Framework , Oracle Business Intelligence Enterprise Edition, SOA, Oracle Enterprise Scheduler Service
Role	A senior member of the Oracle Fusion CRM Application Development, leading the development of a new metrics framework for Sales Forecasting. Architect, involved hands on in conceptualization, design, prototyping, development, testing, performance / volume testing, load testing of the metrics framework, over a period of 3 releases.

Sales Forecasting involves summarization of Opportunity Revenue numbers along several different dimensions like territories, products and time periods, all at the same time, at all granularities. The users (sales organization) required the system to compute forecast numbers in real-time, fast and accurately. The product upto release 7 had an architecture that was not able to scale to the data volumes that certain customers (including Oracle's sales organization) worked with, and was also not able to provide computed numbers in realtime. These shortfalls affected the confidence of the sales organization on the forecast

numbers. To address these issues, there was a need to redesign the metrics computation approach, which gave rise to the new metrics framework for Sales Forecasting. As an architect, I lead the team through the lifecycle of development of this framework, right from the conceptualization, prototype, design, code, unit testing, volume testing, load testing. This framework ensured accurate and realtime rendition of forecast numbers with improved performance and scalability. The system's capability to render metrics in realtime and with improved performance helped improve confidence and acceptance of the system by the sales organization. I filed an individual non-provisional patent for one of the aspects of this design under the title "REAL-TIME METRIC AGGREGATION FOR TRANSACTIONAL SYSTEMS".

Period	Jan-2012 – Sep 2012
Project Title	Oracle Sales Cloud - Sales Forecasting – Customer Implementations
Employer	Oracle America, Redwood Shores
Client	NA (Product Development – Fusion V1-R2,3,4)
Team Size	Individual Contributor, delegating to 2-5 team members in dotted line
Software	Oracle ADF Framework , Oracle Business Intelligence Enterprise Edition, SOA, Oracle Enterprise Scheduler Service
Role	A senior member of the Oracle Fusion CRM Application Development organization, involved in architecting and designing application modules, design and code review, Q&A coordination, bug analysis and triage, guiding customer implementations, coordinating development and bug fixing activities with customer schedules and requirements, application performance tuning.

Sales Forecasting empowers customers to define period wise forecasts for each territory and track the performance of Sales Teams. While working on this product, identified and fixed several performance issues in the application. Worked as a single point of contact for the Oracle internal IT's implementation of Oracle Sales Cloud - Sales Forecasting for the Oracle Sales organization. In the process, coordinated the bug fixes and enhancements required by Oracle internal IT with the team in India. Assisted Oracle Sales Cloud customers in implementation of Sales Forecasting. Provided trainings and knowledge transfer sessions to Oracle Customer Support group to bring them up to speed on the functional and technical aspects of Sales Forecasting. Go-to guy for the Product Management team while working with prospects and customers to answer technical questions / solution options during implementations.

Oracle India Pvt. Ltd., Bangalore

Period	Nov 2009 – Jan-2012
Project Title	Fusion Territory Management and Sales Forecasting
Employer	Oracle India Pvt. Ltd., Bangalore
Client	NA (Product Development – Fusion V1-R1)
Team Size	5
Software	Oracle ADF Framework , Oracle Business Intelligence Enterprise Edition, SOA, Oracle Enterprise Scheduler Service
Role	Manager, involved in project planning tracking progress of tasks. Responsible for driving the project, involved in project planning, FDD review, driving technical approach and architectural meetings and decisions, TDD and Dev Test Case review, code review, QA coordination, bug analysis and triage.

Fusion Territory Management provides customers with the ability to define sales territories based on multiple dimensions. The territory management application acts as a central component around Sales Forecasting, Lead and Opportunity Management. Sales Forecasting empowers customers to define period wise forecasts for each territory and track the performance of Sales Teams. While working on these projects, I designed and managed the development of a key component involved in setting up territory dimensions. I also own the Business Intelligence artifacts for Sales Forecasting and Territory Management that will be consumed by the OBIEE team for ETL and Transactional Business Intelligence.

Period	Aug 2008 - Oct 2009
Project Title	Fusion Mobile Sales Connected Application for iPhone and Blackberry
Employer	Oracle India Pvt. Ltd., Bangalore

Client	NA (Product Development – Fusion V1-R1)
Team Size	3
Software	Oracle ADF Framework , Trinidad Faces Components, CSS and Java Script (for iPhone and Blackberry Skinning), Oracle 11g Database, iPhone Simulator, Blackberry Simulator
Role	Manager, involved in project planning and tracking progress of tasks. Responsible for driving the project, involved in project planning, FDD review, technical approach and architectural meetings and decisions, TDD and Dev Test Case review, code review, QA coordination, bug analysis and triage.

Fusion Mobile Sales applications gives the sales executive the ability to check and update his Leads, Opportunities and Contacts on the move. The application also provides driving directions, alerts, news feeds, LinkedIn integration, Analytical Charts, Automatic Interaction Capture. Since this application is always connected with the enterprise application, it utilizes the business logic already available in the enterprise model layer. The UI is refactored to the iPhone and Blackberry form factor and look and feel.

Period	Apr 2008 - Jul 2008
Project Title	Fusion Mobile Sales Disconnected Application for Black Berry and Windows Mobile
Employer	Oracle India Pvt. Ltd., Bangalore
Client	NA (Product Development – Fusion V1)
Team Size	4
Software	TRS, Oracle Lite Database and Mobile Server, Oracle 11g database, ADF Native Mobile Framework, Black Berry simulator and Windows Mobile simulator
Role	Manager, involved in project planning and tracking progress of tasks. Also involved in reviewing the FDD, TDD and Dev Test Case documents.

Fusion Mobile Sales applications on BlackBerry and Windows Mobile is meant to run in disconnected mode with synchronization capability. This will give the sales executive the ability to check and update his Leads, Opportunities and Contacts on the move. The application will also support certain features in the connected mode like driving directions, alerts, news feeds and so on. The application will be built using the ADF Native Mobile framework (which is currently under development) and will run on the mobile devices without network connectivity. An Oracle Lite database will be installed on the device and the application will be deployed on it as well. All the transactions performed by the users will be stored on the Oracle Lite DB which will be synchronized using the Oracle Lite synchronization capabilities using the Oracle Lite Mobile Server. This synchronization process will invoke the TRS which will in turn call the enterprise libraries to actually complete the transaction on the enterprise database. Once the transaction is completed, the result of such transaction will be notified back to the mobile device through TRS. (This project has been postponed to Fusion V1.1 since the ADF Native Mobile Framework was not expected to be delivered within the timeframe of Fusion V1.)

Period	Dec 2007 - Mar 2008
Project Title	Transaction Replay Service and Oracle Lite prototype
Employer	Oracle India Pvt. Ltd., Bangalore
Client	NA (Prototype for Fusion Mobile Sales Disconnected Application)
Team Size	4
Software	TRS, Oracle Lite Database and Mobile Server, Oracle 11g database, Oracle ADF Framework
Role	Manager, involved in investigating the TRS and Olite and helping the team build a prototype that was requested by the Product Management team. Also investigated the feasibility of using TRS and Oracle Lite for the solution and raised concerns on the approach to ST and Oracle Lite.

TRS is a component from Oracle ST which helps in replaying transactions that are forwarded to it from any external application. This component converts the transaction information into a call to the enterprise Application Module method, which in turn performs all the business logic checks and defaulting logic and also kicks off BPEL processes / Workflows etc. This component is to be used in the Disconnected Mobile Sales Applications as part of Fusion V1.

Period	Nov 2007 – Dec 2007
Project Title	Fusion Field Service Scheduler Integration - Technical Solution Prototypes
Employer	Oracle India Pvt. Ltd., Bangalore
Client	NA (Prototype for Fusion Field Service Application)
Software	Siebel Scheduler, Sidewinder Scheduler
Role	Analyzed the integration points for Siebel Scheduler and Sidewinder Scheduler to build a Task Scheduler integration between Fusion Field Service and Siebel Scheduler, Sidewinder Scheduler. Prepared a Technical Solution Approach document for this interface as per the Fusion MEP Standards and reviewed the architecture with the team. Since Fusion Field Service was not planned to be released in V1, this project was postponed to a later release.

Period	Aug 2007 - Nov 2007
Project Title	Sidewinder Scheduler to Siebel Field Service – Interface prototype
Employer	Oracle India Pvt. Ltd., Bangalore
Client	NA (Prototype for Fusion Field Service Application)
Team Size	1
Software	C++, Sidewinder Scheduler, Siebel CRM, Sockets
Role	Manager, assisted a team member in understanding the requirements for this interface and walked him through the Sidewinder and Siebel integration points for this interface. Also assisted in debugging issues observed while building the interface.

Period	Jun 2006 – Oct 2007
Project Title	Siebel Field Service Scheduler (Version 7.7.2.6)
Employer	Oracle India Pvt. Ltd., Bangalore
Client	DirecTV
Team Size	3 to 5
Software	C++, SQL, Siebel Framework, Siebel CRM
Role	Involved in Bug Fixing and Enhancements on the Siebel Scheduler for DirecTV. Initially I worked as an engineer in this team and then I got promoted to Manager and was managing a team of 3 while working on this project.

DirecTV was a prestigious account for Siebel but their implementation of Siebel Field Service Scheduler had a lot of issues and they had logged several escalated P0s on the product which was lying pending for a almost 6 months since the team was not adequately staffed. I was asked to help this team in fixing these bugs and working on their enhancements from the time Siebel was acquired by Oracle. I was involved in working on several enhancements and bugs logged by DirecTV. While doing so, I streamlined the development process followed while working on enhancements and bugs by mandating design documents and requesting for a model where the team focused only on bug fixing and did not get involved in customer meetings and technology stack setup, thereby improving the productivity. When I was transitioned out of this project, DirecTV account turned from Red (deal breaker) to Green (happy customer). I worked on several enhancements like ABS API Hardening, ABS Optimizer Load, ABS Optimizer Time Zone, ABS Quick Load, ABS Task Stop Deregister, Double Optimization, Error Handling, Lock Assignment Lock Schedule, Optimizer Task Stop Deregister, Parameterized Optimizer, ABS Optimizer Cache Interrogation (only design).

Period	Jan 2005 – May 2006
Project Title	Service Request Purge
Employer	Oracle India Pvt. Ltd., Bangalore
Client	NA (Product Development - Oracle EBusiness Suite - Service - 12.0)
Team Size	1 (involved several teams across products)
Software	Oracle 10g, SQL, PL/SQL
Role	Being the Owner of this project, I was involved in the entire lifecycle of the project starting from Analysis, Architecture, Prototype, Design, Development, Unit Test, Volume Test and QA Handoff. Since there were code deliverables from several teams that had to be integrated into this project, there was need for high very

| | levels of synchronization with external teams. |

Service Requests in the customers' databases were getting accumulated and each customer was using different methods to delete old Service Requests, which resulted in issues in the application and inconsistencies and support complications. Hence SR Purge was included as a very important project in Oracle EBusiness Suite 12.0. Service Request is a business object that has several child objects like Tasks, Notes, Contracts, Contact Points, Interactions, Attachments, Field Service Tasks, and Knowledge Base Links which were owned by several teams in different organizations which had to be deleted by a single concurrent program. Since this project involved design, development and integration of deliverables from other teams, I initiated several meetings and interactions with several teams in the Oracle Applications Development organization, shared my requirements with them and worked with them to deliver the concurrent program on time. Another important achievement in this project for me was that it was delivered without any bugs. ST round 1 and 2 went without a single bug to be fixed. Also I performed a volume test for this program, beating the expectation of the management and completed it with good results. My immediate management was highly appreciative of my initiatives in this project.

Period	Nov 2004 – Dec 2004
Project Title	Service Request Type to Item Category Mapping
Employer	Oracle India Pvt. Ltd., Bangalore
Client	NA (Product Development - Oracle Service - 11.5.10+)
Team Size	3
Software	Oracle 9i, SQL, PL/SQL, OA Framework
Role	Design, Code and Unit Test the summary page that helped map Service Request Types to Item Categories as part of the Oracle Service (CS) product.

It was required by I-Support to allow association of an Item Category with a Service Request Type in order to reduce the number of Item Categories from which a user had to choose for his Service Request. This was logged as an enhancement on the Service Request team, which was delivered as part of Release 11.5.10+. This enhancement allowed users of I-Support to just see only the Item Categories that were associated with that Service Request Type and thereby choose an Item on which they have to log a Service Request from a much smaller list.

Period	May 2004 - Jun 2004 and Sep 2004 - Nov 2004
Project Title	Fixing customer and internal bugs on the Service Request and UWQ Forms
Employer	Oracle India Pvt. Ltd., Bangalore
Client	NA (Product Development)
Team Size	5
Software	PL/SQL, Oracle Forms
Role	Fixed bugs on the Service Request and UWQ Forms during the 11.5.10 time frame. Also worked on performance analysis for all the SQL queries used in the UWQ form. This involved identifying long running SQLs and analysing the time taken in low, medium and high volume scenarios and tuning them by adding indexes and hints to the SQL queries.

Period	Jan 2004 - Apr 2004 and Jul 2004 - Aug 2004
Project Title	Writing WinRunner Test scripts for the Testing Automation for the SR form and Search form
Employer	Oracle India Pvt. Ltd., Bangalore
Client	NA (Product Development)
Team Size	2
Software	WinRunner
Role	Generation of WinRunner test scripts to assist the QA Team in creating automated test scripts for the Service Request Form in Oracle CRM.

This project involved understanding the functionality of the Oracle Service SR Form and reviewing test cases that the QA team wanted to automate and create WinRunner tests for the test cases. The UI components on the SR Form had to be captured and saved into a data table of WinRunner which was essentially an XLS sheet. Then WinRunner code was partially generated by recording a sequence of UI interactions and partially hand-written in the WinRunner IDE. Such code was grouped into functions which

could be used to run various test cases. The tests were executed by entering the test data in the data table and running a specific function, keeping the SR Form open on the same machine.

i-flex solutions ltd., Bangalore	

Period	Nov 2002 - Dec 2003
Project Title	Implementation of FLEXCUBE Retail Funds Transfer Module
Employer	i-flex Solutions Ltd., Bangalore
Client	SNS Bank, Amsterdam, The Netherlands
Team Size	3
Software	Windows 2000, AIX, Oracle 8i, PL/SQL, XML, C, MQSI
Role	External system interface setup using FLEXCUBE XML Gateway, module enhancements, development of ERIS – FLEXCUBE Corporate interface, UAT support, data conversion, parallel run support

The Retail Funds Transfer is a new module customized for SNS Bank, which involves communicating with external systems like SAS, EB, ERIS and SWIFT. This module handles both incoming and outgoing funds transfers. Majority of the Incoming fund transfers is received from SWIFT using the SWIFT Alliance – FLEXCUBE Corporate interface. Other fund transfers come from EB (Electronic Banking), which is a legacy system of the bank, where the customers register fund transfers, which are processed by the module. These fund transfers are routed to FLEXCUBE Corporate through the FLEXCUBE XML Gateway. SAS is a accounting system, which maintains all EUR denominated customer accounts. For all transactions, this system shall be contacted by FLEXCUBE Corporate for account validation and accounting entry handoff, which are again routed through the FLEXCUBE XML Gateway. ERIS is a legacy system, which handles all internal fund transfers within the bank. This system hands off ASCII files to FLEXCUBE Corporate through an interface, which was built for this purpose.

Period	July 2001 - Nov 2002
Project Title	FLEXCUBE Workflow Management
Employer	i-flex Solutions Ltd., Bangalore
Client	NA (Product Development)
Team Size	4
Software	Windows 2000, Oracle 8i, Visual Basic 6.0, PL/SQL, ASP
Role	Team Leader involved in conceptualization, design, development and testing of the product

This new product, which was added to the suite of products under the FLEXCUBE umbrella involves defining a process flow for a given workflow and integrating it with FLEXCUBE Corporate (the back office). This product comprises two modules namely Workflow Administration, which is used to define the process flow and Taskpad, which is the client application where the process flow is executed by the users. The Workflow Administration module was developed using VB6.0 and offers a facility to inherit
data elements from FLEXCUBE Corporate and to define new data elements, define various activities through which these data elements shall be captured, paint screens dynamically for each of these activities, define transition conditions for tasks to move across activities, plug in additional components to provide notifications and entry points to external applications. The Taskpad, which lays out the process that was defined in the Workflow Administration module was developed in ASP. This product interacts with the back office (FLEXCUBE Corporate) using the FLEXCUBE XML Gateway.

Period	Feb 2001 - June 2001
Project Title	Kondor+ Interface with FLEXCUBE Corporate
Employer	i-flex Solutions Ltd., Bangalore
Client	Bank of Baroda, Bombay (Additional Requirements from Client)
Team Size	5
Software	Solaris, Oracle 8, PL/SQL
Role	Development and Unit Test of the contract upload mechanism from Kondor+ to FLEXCUBE Corporate

Kondor+ is a Treasury Front office Dealing system that hands off deals (FX, MM, Call Loans, Securities Deals), Securities Instrument Information, Portfolio Information, Counter Party Information and Currency

Exchange Rates in the form of ASCII files to any back office system for processing. An interface between this system and FLEXCUBE Corporate was developed to upload FX, MM, Call Loans and Securities Deal information to FLEXCUBE Corporate. The ASCII files shall be dropped by Kondor+ in a specific directory, which shall in-turn be picked up by an Oracle job using a C shared library function called from PL/SQL and uploaded into FLEXCUBE Corporate. The parsing of the file was fully parameterized in such a way that a common routine was used to read files of any type and the appropriate information was uploaded to the corresponding tables of FLEXCUBE and further processing was carried out.

Period	Dec 2000 - Jan 2001
Project Title	Profit, TRAM and BOJ Net interfaces
Employer	i-flex Solutions Ltd., Bangalore
Client	Shinsei Bank, Tokyo, Japan
Team Size	2
Software	Oracle 8, VC++ 6.0, Visual Basic 6.0, PL/SQL
Role	Designing, development, testing, implementation and support of interfaces with three external systems namely Profit, TRAM and BOJ Net. (Onsite development)

The bank had three external systems, which were to be interfaced with the back office application, FLEXCUBE Corporate.
Profit, being an FX front office dealing application, would handoff deals to FLEXCUBE Corporate which was routed through an ASCII file based interface. The files were dropped into a specific folder by the system and were picked up by this interface and uploaded to FLEXCUBE.
TRAM was a system that interfaced with the BART network (a network of brokers in Japan) and would send in broker conformation messages, which in-turn had to be updated into the back office i.e., FLEXCUBE Corporate, for which an interface was developed.
BOJ Net is a network of banks in Japan used to route Funds Transfer in JPY. This network operates in EBCDIC character encoding. An interface was developed for converting FLEXCUBE Corporate data (from ASCII format) in the required format and uploading it to the BOJ Network through a stream socket.

Period	May 2000 - Nov 2000
Project Title	Technical Support and Enhancements on FLEXCUBE Dealer and Web CAS
Employer	i-flex Solutions Ltd., Bangalore
Client	Several (Support Team)
Team Size	4
Software	Windows NT/2000/UNIX, Oracle 8, Visual Basic 5/6.
Role	Involved in technical support and bug fixing of products namely FLEXCUBE Dealer (Treasury Front office Application) and Web CAS (Electronic Banking Application)
Enhancements Delivered	
Client	CBA, Kenya
Description	Making the FX Deal Blotter more flexible by providing facility to dynamically change the columns projected on the blotter. Developed graphical display of currency positions along with profit & loss.
Client	PAB, Malaysia
Description	Building four levels of authorization for Fund Transfer transactions initiated by the customers over the Internet

NIIT Ltd., Chennai	

Period	Feb 1999 - Apr 2000
Employer	NIIT Ltd. Chennai
Role	Member of the Training Faculty
Courses Handled	C, C++, Java, MSSQL Server, Visual Basic, Visual C++, Windows 2000, Windows NT, Windows 95, UNIX, Sybase System X
Responsibilities	• Conducting lectures on the topics mentioned above as part of the GNIIT Curriculum • Conducting visiting faculty lectures on various topics like Java, Linux,

	Curses, Windows Programming, COM
	• Maintenance of an Intranet for students that provides them with latest Industry information, technical inputs, FAQ, Query handling, Discussion forums, Automated testing
	• Maintaining and Supporting of Educational Management Software for NIIT centers
	• Working on internal project initiatives

Internal Projects Handled at NIIT Ltd., Chennai

Period	April 1999 - June 1999
Project Title	Skill Set Module in HR Information System
Team Size	4
Software	Windows NT, SQL Server 7.0, Sun Java JDK 1.2, Servlets, JDBC
Role	Involved in development of the query module and integration and testing of other modules

The system provides a method of storing the official information of every employee in the zone which provides easy access to employee skill sets, thereby enabling scheduling of various seminars, symposiums and lectures. It also provides an internal e-mail disbursement system, which provides effective communication across the posted sites in Chennai. The system provides querying and reporting of employee information based on a variety of parameters according to the user's choice.

The system is built as two modules namely the administration module and query module. The administration module provides for adding new employee information, modification of skill sets of employees, updating of new skills, allocation of human resources for various projects. The query module contains interfaces to query the information stored in the database relevant to the system. The server module involves in performing the backend operations and providing connectivity to clients.

The admin and query modules are implemented as Java Servlets that allow information retrieval and storage using HTML interface.

Place: Bangalore
Date: 29-Jan-2018

(VARDHAMANITHI NARAYANAN SIVASAILAM)