



TIJO JOSE TOM

THEKKE MARUTHOOR H, KONGANDOOOR P O, KOTTAYAM 686564

MOBILE: 9620229625

EMAIL: TIJOSETOM@GMAIL.COM

PERSONAL PROFILE

- Three and half years' experience in telecom OSS product development and Optical fiber communication with Core Java, JAXB, Spring, Hibernate and Swings.
- Extensive background in software development life cycle including requirements gathering, design, coding, testing, debugging and maintenance.
- Proven track record of designing and implementing flexible solutions which support frequent changes.
- Exposure to fault management and configuration management.
- Excellent communication and interpersonal skills in multicultural environment.
- Dedicated to professionalism, highly motivated towards goal achievement, target driven, and bold in facing challenges.
- Diplomatic and tactful with professionals and nonprofessional at all levels.
- A very open minded, flexible, responsive, trustworthy, and creative person.

PROFESSIONAL WORK EXPERIENCE

April 2012 till Date

Designation: Software Engineer

Company: Velankani Software Pvt Ltd

Domain: Telecom - Optical Communication.

Project Details

1. Network Planning System(NPS)

Environment: Windows
Technology: Core Java, JAXB and Swings
Team Size: 21
Duration: April 2012 till Date
Role: Software Engineer
Client: Infinera India

Description:

The Network Planning System (NPS) is a comprehensive toolkit for modeling and planning your Digital Optical Network. NPS speeds and simplifies the planning process, whether you're migrating from traditional DWDM, building a Greenfield network, or evolving an existing network. It has integrated network capacity planning and Link Engineering tools. NPS has the capability to generate a report on the planned network in Microsoft Excel and present it to the user.

Responsibilities:

- Development of product from scratch.
- Coding, implementation and basic test case execution for different modules.
- Involved in the discussion, review and analysis of design documents with the business team.
- Development of front end to receive inputs from user, validating and processing the inputs and presenting it to routing algorithms.
- Responsible for solving customer related queries and making enhancements.

2. Test Result Automation Management (TRAM)

Environment: Sun Solaris
Technology Core Java, Spring, Hibernate
Team Size:5
Duration: Dec 2012 till February 2013
Role: Project Engineer
Client: Infinera India

Description:

Test Result Automation Management (TRAM) is an application used to track the process of software development right from requirements to maintenance including development status, test results and bugs. It uses spring and hibernate in the back end and swings for the front end. User can update results from the front end and the database communications are done using a Netty Client and Server Communication module.

Responsibilities:

- Requirement analysis and preparation of design document and basic test plan.
- Decision making on which technologies to use.
- Development of a specific Api for display of Tables across applications
- Coding, implementation and basic test case execution.
- Involved in the discussion, review and analysis of design documents with the business team.

September 2009 to March 2012

Designation: Project Engineer
Company:Wipro Technologies
Domain: Telecom-Wireless Networks (WCDMA, GSM)

Project Details

3. Alarm Adaptation Unit (AAU)

Environment: Sun Solaris
Technology Core Java
Team Size:8
Duration: Dec 2009 till March 2012

Role: Project Engineer
Client: Ericsson, Ireland

Description:

Alarm Adaptation Unit (AAU) is the Plug-in designed in Java with SNMP API in order to handle Alarms from different Network elements. AAU makes it possible to monitor CN-OSS Network Elements. AAU checks the LAN connectivity to the Network Element at a regular interval. If the LAN for some reason goes down an alarm will be generated in the FM system. The Network Elements have SNMP Agents that can be configured to send alarms, called SNMP traps, to an SNMP Manager. The traps are translated by AAU to FM notifications. AAU uses the AdventNet SNMP Java API to receive incoming traps from the Network Element.

Responsibilities:

- Requirement analysis and preparation of design document and basic test plan.
- Coding, implementation and basic test case execution.
- Involved in the discussion, review and analysis of design documents with the business team.
- Involved in the final delivery of the product to customer side.
- Developed three new AAU of which two uses Netconf Protocol for reading Alarms from Node side
- Responsible for solving customer related queries and making enhancements.

4. Interactive Messaging Manager (IMM)

Environment: Sun Solaris
Technology: Core Java
Team Size: 5
Duration: June 2010 till March 2012
Role: Software Engineer
Client: Ericsson, Ireland

Description:

Interactive Messaging Manager (IMM) facilitates the management of announcement messages, including message duplication across a network and from a remote location. It is basically used to manage the messages present on different nodes; the messages are configured on AST-DR devices. IMM allows the operator to perform the following functions:

- * Upload and download of message data by performing the necessary data conversions.
- * Unreleased message scans.
- * Message duplication

IMM supports MSC (AXE based) and MGW (Media Gateway) based Network Elements.

Responsibilities:

- Requirement analysis and preparation of design document and basic test plan.
- Implementation and basic test case execution.
- Involved in the Discussion, Review and analysis of Design documents.
- Involved in final delivery of the product to customer side.
- Responsible for solving customer related queries.

5. Call Path Tracing (CPT)

Environment: Sun Solaris
Technology: Core Java, Jython Scripting
Team Size: 3
Duration: June 2010 till March 2012
Role: Software Engineer
Client: Ericsson, Ireland

Description:

The Call Path Tracing feature enables the user to trace a call across one or more MSCs (or other AXE based networks elements), CPs (MSC and TSC blades of MSC-BC), MSCBC-Cluster and the M-MGW used by these MSCs, CPs or MSCBC-Cluster in a call. The resulting trace information enables the user to identify the network elements (NEs) and resources used in the traced call. The tracing information is retrieved from the MSC/CP/MSCBC-Cluster using the MSC command CTRAI. Tracing information is retrieved from the M-MGW's over the MOCI interface, using MO Client Interface.

Responsibilities:

- Interact with business users collecting and analyzing business requirements.
- Preparation of design document and basic test plan.
- Implementation and basic test case execution.
- Involved in the Discussion, Review and analysis of Design documents.
- Involved in final delivery of the product to customer side.
- Responsible for solving customer related queries and making enhancements.

SKILL SET

Domain: Telecom-Wireless (WCDMA, GSM) and Optical Networks
Operating Systems: Windows, Solaris
Languages: Core Java, Swings, JAXB, Spring, Hibernate, MySQL, Jython Scripting
Protocols: SNMP, Netconf
Tools: Eclipse, IDEA, MG-SOFT MIB Browser, Rational Cleartool, Netsim, Sapro, Perforce
Other Skills: MS Office

ACCOMPLISHMENTS

Received 'Thanks a Zillion' award from Wipro Technologies, for providing extensive support in IMM maintenance/design deliveries and for quick helps done in CPT project for hot customer bug fixing

Received confirmation in current company on completion of four and half months after getting excellent feedback from the customer.

EDUCATION

2004-2008 Kerala University(TKM College Of Engineering Kollam).

- **B. Tech (Computer Science and Engineering).**

Aggregate of 70%.