

JAYAKODI R

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CAREER HIGHLIGHTS:

- Professional experience in coding, debugging, implementation and testing.
- Good exposure in the software development life cycle and software testing life cycle.
- Experience in Agile Methodology and Waterfall Model Process.
- Good Team player as well as an Independent contributor and adapts to new environment.
- Ability to learn fast, manage and deliver results on multiple tasks by effectively managing time and priority.

CAREER PROFILE

Duration:	09 Aug 2021 – 23 Dec 2022
Present Organization:	NIELIT Chennai (GOV)
Designation:	Resource Person (Information Technology)
Duration:	21 Mar 2014 – 10 Nov 2015
Organization:	Redknee Technologies
Designation:	R & D Engineer
Duration:	21 Mar 2011 – 18 Mar 2014
Organization:	Nokia Siemens Networks
Designation:	R & D Engineer
Duration:	01 Dec 2008 – 18 Mar 2011
Organization:	Wipro Technologies
Designation:	Project Engineer

TECHNICAL EXPERTISE

Operating System	Windows XP, 7 & 8, Sun Solaris 10, Linux, Ubuntu.
Programming Language	Data Structures and Algorithms, Core Java, Multithreading, C++, C, HTML, CSS, Java Script, MySql.
Tools Used	Eclipse 3.0.1 IDE, Cygwin, IBM Rational Clearcase, Bugzilla, Wireshark, TortoiseSVN.
Telecom Domain	PCS, OneNDS, 4G LTE.

EDUCATION

2006-2008	BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE Masters of Engineering, Software Systems, Graduated: June 2008 ▪ CGPA: 7.88/10.0	Pilani
2002-2006	SRI SAIRAM ENGINEERING COLLEGE (Anna University) Bachelor of Engineering, Computer Science and Engineering ▪ Percent Obtained: 81%	Chennai

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|------------|---|---------|
| March 2002 | JAIGOPAL GARODIA NATIONAL HIGHER SECONDARY SCHOOL
<i>Higher Secondary Examination, March 2002</i> | Chennai |
| | ▪ Marks Obtained: 88.7 % | |
| April 2000 | JAIGOPAL GARODIA NATIONAL HIGHER SECONDARY SCHOOL
<i>SSLC, April 2000</i> | Chennai |
| | ▪ Marks Obtained: 93 % | |

PROFESSIONAL EXPERIENCE

After completion of domain training in Telecom and NM Architecture, started working in the Network Management Systems.

Industrial Projects and Accomplishments:

Nature of work:

Project 1:

Currently work as the instructor and as a software developer in National Institute of Electronics and Information Technology (NIELIT), Chennai.

- Working as an instructor in DataWarehousing (MySQL), Big DataTechnologies like Hadoop , Pig, Hive and Hbase.
- As a part of software development, I am working in the web technologies like PHP and MySql.
- Handled RTI applications
- Handled Course related activities
- Software Development in PHP and MySql

Project 1: Policy Control Server

PCS is the NE for policy control in mobile, fixed, and fixed mobile convergence networks. Policy control is used to authorize and control the network resource usage by subscribers. It enables the operator to limit the resource usage and ensures that a user obtains the guaranteed quality for subscribed services. It interacts with the subscriber profile repository (ONENDS) for subscriber and Non-subscriber data to read the schema and apply the policy rules accordingly for each subscriber.

Contribution:

- Involved in the creating and implementation of features in project specific subscriber repository.
- Completely owned for implementation of the Extension package feature in complaint with the feature requirements
- Worked closely with customers and other teams in resolving issues on time.
- Feature implementation, analysis and bug fixing in PCS Front end application.
- Functional testing using IPSL scripts of the fixed bugs and enhancements.
- Received Spot Award for taking the successful handover the AEP module and completing the activities with project deadlines.
- Involved in the PCS application specific features in SPDF scenario and CPCS 3GPP scenarios.

Project 2: SiteManager

The Site Manager is craft application to manage the Optical network elements present in SONET/SDH and DWDM network. The Field engineers use this application to manage the NEs in the network endpoint. This application implements ISO Network Management Model achieving the functionality of FCAPS (Faults, Configuration, performance and Security) on the NE. The SiteManager uses TL1 as the command language to interact with the NE.

Contribution:

- Trained in the project which included SONET/SDH protocol, TL1 communication and commands, Tools and application training.
- Documented the extensive Test cases for the complete feature of 5G OTNFLEXMOTR card support in par with every Requirement Specifications.
- Executed test cases and raised CRs using Clarify Tool.
- Worked in High Priority Change Requests (CR), fixing the bugs raised from customer end and field engineers.

Project 3: 5620 Core – AIM (Analysis and Inventory Module)

This project involves the collection and reporting of the details of network elements present in the network using Java and XML. The data are extracted from the Network Manager running in the Solaris machine, stored in the Oracle database. Business Objects reporting tool is used to present the data to the end users.

Contribution:

- Drafted and documented Requirement specifications, Feature Specifications and Test cases for the two major releases.
- Designed and developed to support the accounting and reporting information of the Element manager using Java, XML
- Performed Sanity testing, Feature testing.
- Delivered the assigned feature work on time with good quality.
- Basic knowledge in Business Objects xi 3.1, reporting tools and Oracle 10g.
- Coordinated, supported the installation and upgradation of Solaris 10 machines.
- Key member of the team to support product migration of product support from Windows XP to Window 7 and 2008 server.

Project 4: 5620 Core - Network Manager

This project involves the development and implementation of features for the Network Management System and Element Management System. 5620 Core NM is the GUI based network manager which manages the element managers and the network elements present in the network. It supports to perform shelf, node, card, slot and port configuration. The GUI interface allows L2 based configuration on the NEs.

Contribution:

- Worked in L2 layer, performing operations like configuring nodes, cards, creating cross connections and paths. Also interacted with NE using Command Line Interface.
- Developed and implemented Event Management from Router to the Element Manager using Java.
- Performed unit testing and feature testing of the implemented code by checking the functionality complying with the requirement specifications.
- Debugged, fixed bugs and implemented the code in good quality.
- Queried the Informix database for analyzing the nodes' data present in the network.

Achievements and Award:

- Awarded "Thanks a Zillion Award "for contributing to prepare the accurate Inventory list of the network equipments and solving issues that arouse in the Unit Testing Tool.
- Spot Award for bringing in the AEP knowledge into the team and for integration into the project.

Project 5: Pivotal Lifecycle Engine Toolkit Customization

This project is the development of CRM product. It is designed for the mid size enterprises to manage their business activities efficiently and profitably. This is the 3 tier architecture at which data layer is based on windows programming (MFC), business layer contains the business logic and presentation layer gives the user interface, Pivotal Client. This project also uses Microsoft technologies such as ClickOnce and Smart Client technology.

Contribution:

- Joined as an **Internship Trainee** as part of the Master's Degree Programme
- Accomplished the tasks assigned in good quality, Performed rebranding changes for the Login Screen
- Worked with the GUI application adding the necessary changes as per the requirements.

ADDITIONAL EXPERIENCE:

Dec 2008-

Mar 2008

Hands on Training in C, C++ and UNIX during the training period in **Wipro Technologies**.

Developed and implemented Ping programming using C and UNIX programming.

Sep-Nov 2008

Completed Internship Program in **Kilmist Infotech Pvt Ltd**, programming in C#, SQL, Windows Forms.

Sep-Nov 2007

Worked as **Professional Assistant** in Computer Aided Housing Keeping Unit (CAHU Unit), **BITS, Pilani**.

Jan-Mar 2006

Project Management Portal - Worked in a team of 2 to work on a project in **Satyam Computer Services Ltd** on the module of the project is completed for as the part of final semester project.

LANGUAGES:

English, Tamil and Hindi.