**VENKATARAMANA POLARAPU**

Lead of Software Testing • OSI Energy Automation India Pvt.Ltd • M.Tech Power Systems

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**PROFESSIONAL SUMMARY**

* Over **8 years** of experience as Test & Quality Assurance Engineer. Contributed in all phases of testing life cycle including Test strategy, Test Plan, Test Execution, Test Reporting and Test Closure in Power Systems Engineering Domain.
* Working experience in Manual Testing and Automation for Functionality Testing with QTP , Silk Test and Unix Shell
* Strong knowledge in SDLC concepts, Worked for Projects in Waterfall and Agile methodologies. Worked in distributed agile teams.
* Successfully lead small teams (3 to 5 members) as Test Lead, planning, estimating, monitoring and control of the testing activities and tasks. Working experience as Test Lead for Service Packs and Patch Bundle testing for Product Development.
* Having **6+** Years of Experience in **GE** on XA/21 SCADA & EMS system and power distribution and transmission. Worked on Product development and Site Acceptance Testing of Supervisory Control and Data Acquisition (SCADA ) and Energy Management Systems ( EMS )
* Having **1+** Years of Experience in **Oracle** on Network Management System for Utilities which has Outage Management system and Distribution Management System.
* Worked in **USA** for 6 months on an international Assignment as Lead software Test Engineer for Agile teams.
* Experience in **Monarch** Product Suite (**SCADA/EMS/DMS/OMS)** from **Open Systems International** Inc.
* Good knowledge in **Power System Network Modeling, State Estimation,** **Load flow, Contingency analysis, Unit Commitment** and other power system studies
* Good team player with excellent analytical, communication, and presentation skills.

**EDUCATION**

#### International Master of Business Administration (IMBA) with specialization in Project Management, Ulyanovsk State University, Russia, 2012-2013, 73 % (Distance Education)

* **Master** **of Technology** **(M.Tech)** with the specialization of **Electrical** **Power Systems** , **Jawaharlal Nehru Technological university** , Hyderabad, 2009-2012, 82.9% ( Part Time )
* **Bachelor of Technology (B.Tech)** in **Electrical & Electronics Engineering**, **Sri Venkateswara University,** Tirupati, 2002-2006, 83.5%

**EXPERIENCE**

* Currently working with **OSI, Bangalore** since March 2014 to till date as Lead of Software Testing and leading the Validation activities for Projects across Asia region.
* Worked with **Oracle India Pvt. Ltd, Hyderabad** from January 2013 to March 2014 as **Senior Quality Assurance Analyst** and handled the Product validation activities of Oracle’s Distribution Management system and Outage Management system.
* Worked with **GE Energy**, **Hyderabad** from November, 2006 to January 2013 and lead the XA/21 Product sustaining team as **Lead Software Engineer** and handled validation activities of different LCS and NPI releases.
* Worked with **GE Energy, Melbourne, Florida , USA** in an international Assignment as Test Engineer in Agile Environment from August, 2011 to February, 2012

**TECHNICAL SKILLS**

* **Operating Systems** : Windows, Linux, Solaris, AIX
* **Languages:** C, Core JAVA, UNIX Shell, SQL and PL/SQL
* **Version control Tools** : Clear Case, Sub version
* **Test Management Tools** : Quality Centre, Clear Quest, QTP, Silk Test, SQL Developer
* **Databases**: Oracle

**CERTIFICATIONS & ACHIVEMENTS**

* Six Sigma **Green Belt** Certified from GE
* Secured 90% in Software Testing Proficiency Exam ISEB Foundation level Certificate in 2009
* Won **DMP Challenge awards** for Process improvements, for my **Kaizen**s and for my significant contributions in GE and in Oracle.
* Won few awards in academic level for topping the schools and colleges.
* Active EHS and ERT team member and Certified IC/W auditor in GE
* Won First Prize for Skit in intercompany competitions in Hyderabad, HITEC City and few other awards for my stage shows.
* Donated Blood several times as part of Blood donation camp conducted by GE Volunteers

**WORK EXPERIENCE DETAILS**

**GE India Exports Pvt Ltd., India. (20th November 2006 to 11th January 2013)**

1. **Product testing for major Releases ( From November 2006 to January 2013 )**

The **XA/21TM** is one of the industry’s most advanced EMS/SCADA systems. Got opportunity to work for 10 major **XA/21TM** releases and have Strong Knowledge on **XA/21TM** Product on Power Generation, Transmission, distribution Management applications and Dispatcher Training Simulator.

**Responsibilities & Major achievements**

* Build deployment on **Solaris**, **AIX** and **Linux** test labs and Smoke test execution.
* Work planning using **Rally** tool , Test execution using **Quality Center,** Defect management using **Clear Quest**
* Performing test design, defect validation, Regression testing, patch bundle testing and unstructured testing.
* Test automation and execution using QTP.
* Good Knowledge on UNIX shell scripting. Automated several Test cases of XA/21 Product using Unix shell scripts .Developed a tool to perform Test setup for Smoke test executing using Unix shell
* Effective Contribution in coming up with FAT procedures and to **Train customer**  and in performing **Factory Acceptance Testing** for **Tata Steel** customer
* Performing Root Cause Analysis for customer reported defects and taking corrective actions.
* Contribution to test strategy , planning and reporting test results

1. **Life Cycle Sustaining Test Lead ( From December 2010 to January 2013 )**

Effectively delivered more than 20 sustaining Releases.

**Responsibilities**

* Performing Risk assessment and Coming up with test strategy and creating a test results report for a release
* Work planning using **Rally** tool , Test execution using **Quality Center,** Defect management using **Clear Quest**
* Test automation and execution using QTP and Unix Shell

1. **XA/21 NPI Agile Team member ( From January 2009 to March 2012 )**

Worked as subject matter expert and agile team member in globally distributed teams for 5 major releases of XA/21 product. Worked as agile team member for 6 months during my International Assignment from **GE Energy, India** to **GE Energy, USA**.

**Responsibilities**

* Attending Sprint planning , Daily Stand up meeting , Retrospective meetings, Backlog Grooming and Sprint Demos and representing QA during story acceptance
* Understanding the User stories and preparing the test cases for the user stores
* Giving Sprint Demos and performing cross team functional testing as a SCRUM team member
* Test automation and execution using QTP and Unix Shell
* Work planning using **Rally** tool , Test execution using **Quality Center,** Defect management using **Clear Quest**

**Oracle India Pvt Ltd., India. (24th JAN 2013 to 7th March 2014)**

1. **Product validation and Test Automation**

Oracle Utilities Network Management system consists of combined solution for Power Distribution Management and Outage Management. Strong knowledge on all OMS & DMS application and Worked on ETL testing for NMS Business Intelligence. Worked on Multi Speak, IVR Adapters for NMS with Soap UI simulation. Got opportunity to work for one major release and one minor release for NMS.

**Responsibilities**

* Requirement walk through, Test Scoping ,Test design and development and Test reviews for New features and existing internal and customer bugs
* Test execution , Bug reporting using Oracle Test management tools
* Bug testing for various patch bundles of the product
* Developing automation frame work and test automation scripts using Silk Test automation Tool.
* Developement and maintenance of QTP scripts on every release on weekly basis,

1. **Creating Test suite for OU NMS Adapters**

This project is to come up with the test cases for several adapters for NMS system such as MultiSpeak ( AVL , AMI/AMR , SCADA ) , IVR , WebSphere MQ , ICCP . Testing of these adapters require technical skills such as SQL, PL/SQL, UNIX, SoapUI simulation etc. I was leading this project working as part Oracle India development Center with the help of the team in Oracle USA

**OSI Energy Automation India Pvt Ltd. (14th March 2014 to till date)**

* **Spectra OMS for POWERCO (**[**http://www.powerco.co.nz/**](http://www.powerco.co.nz/)**)**

This project is for implementing **Spectra OMS™** (Outage Management system) for POWERCO. This project has been executed from Minneapolis and I was a leading the testing efforts from OSI Bangalore working with the testing team present in USA.

* **SCADA/EMS implementation for ERLDC (** [**http://www.erldc.org/**](http://www.erldc.org/) **)**

This project is for implementing OSI’s SCADA/EMS system called **Monarch™** for Eastern regional Load dispatch center, India. This project has been executed from OSI Bangalore and I was a leading the testing efforts from OSI Bangalore working with the testing team present in USA.

**Responsibilities**

* Coming up with Factory Acceptance test cases based on the technical specifications for all modules of OMS.
* Participation in Pre-FAT and FAT by executing the test procedures
* Performing Smoke testing, Defect validation , Regression testing and unstructured testing

**M.TECH DISSERSATION**

**Load Flow analysis for AC System with Two-Terminal HVDC Links (2011 – 2012)**

The objective of this project is to study different Load flow analysis methods and to analyze the load flow analysis of an AC system with HVDC link.

**PERSONAL PROFILE**

**Name & Sex:** Venkataramana Polarapu (Male)

**Father’s Name:** P. Sreenivasulu

**Date of Birth:** 10th March, 1984

**Nationality:** Indian

**Marital Status**: Married

**Passport Number**: H4113644 **Expiry**: 28th May, 2019

**Communication Address**

Ushodaya S square apartments, Survey No: 130/3, Flat No: 203, Block A , Next to Sri Chaitanya Techno School, Raghavendra Circle, T.C.Palya Main Road, Ramamurthy Nagar, Bangalore – 560016

**LinkedIn Profile**: <http://www.linkedin.com/pub/venkataramana-polarapu/35/73a/b2a>