Girish Chandran C
Senior Software Engineer
girishchandran.tpm@gmail.com
+44-7448320092

6 Wellhouse Road
Furze Platt, Maidenhead
Berkshire, London, UK

Career Objective

To be excellent software developer in a result oriented company that seeks an ambitious and career conscious person where acquired skills and education will be utilized towards continuous growth and advancement.

Experience

Senior Software Engineer — **Tata Elxsi Limited**
July, 2011 - Current

- Experience in Software Analysis, Design, Development and Testing of business applications
- Has a proven track record of delivering applications that involve the technologies like JAVA,C++, Eclipse plug-in development
- Knowledge of embedded and Automotive domain(AUTOSAR)
- Strong analytical, design skills, and problem solving abilities
- Experience on MVC architecture
- Have Adopted for AGILE methodology

Student Internship — **Centre for Development of Advanced Computing(C-DAC)**
October, 2010 - May, 2011

Education

Bachelor of Technology in Computer science and Engineering

September, 2007 - May, 2011
Cochin University of Science and Technology (CUSAT)
GPA: 4.0

Chairman of college senate for the academic year 2010-2011

Skills

Technologies	Core Java, RCP, Eclipse plug-in development, UML, JNI, SWING, SWT, JFACE, EMF, ARTOP, AUTOSAR, XML, HTML, JDBC, ANT, MAVEN
Languages	Core Java, C++, C, Inno Setup Scripting, Velocity Scripting, HTML
Databases	Mysql(Minimum skill set)
Operating Systems	Windows XP, Windows 7, Windows 8, Windows vista

Development Tools	Eclipse For C++/Java/Plug-in development, Netbeans IDE, Ant, VITAQ, Visual Studio, Inno Setup, Notepad++
OO Technologies	UML
Design Tools	Star UML
Source Control	SVN

Projects

- **Automated Testing Framework**
  November, 2012 - In Progress

  ATF is a desktop application used for automating the testing of embedded software.ATF verifies the embedded software against the predefined standards and specifications. ATF drastically reduces the cost of testing embedded software.
  ATF basically consists of 4 main components namely TES, Development Controller, TMC and TRS.
    - Test Execution System (TES):- This component is responsible for the execution of test scripts. ATF accepts test scripts in C as well as C++.
    - Development Controller:- This component provides the various interface for users to provide the location of test scripts, connect with the test execution server, to start, pause and end the test
    - Test Measurement Controller (TMC):- This component is responsible for measuring the response and stimuli from hardware. It contains the interface, which users can use in the test scripts for writing and reading certain values to and from hardware.
    - Test Reporting System (TRS):- This component is responsible for test report generation. It can also be called as test report generation manager which aggregates all the logs given by different component and finally produces an HTML report.

- **eZyConfig**
  February, 2012 - November, 2012

  eZyConfig Tool is a desktop application used by embedded engineers to produce AUTOSAR compliant definition, description and configuration files. The automotive OEM's are increasingly developing their electronic system based on AUTOSAR standard. This creates a standardized development process and also makes the ECU software reusable. In order to build AUTOSAR compliant software for an ECU, the embedded developer has to depend on configuration tools available in market, since manual configuration is time-consuming.

  The tool has different perspective where the user can view the same information of an AUTOSAR node in different forms. The tool also consists of different editors and is implemented in a very user friendly manner. The user can edit files using the

corresponding editor and all the AUTOSAR compliant validations is done during the editing of file. The definition and description file generated by the tool will be AUTOSAR compliant standard files. The tool has some features like creating vendor specific definition and description file, importing AUTOSAR standard definition file, exporting vendor specific definition and configuration file, auto generation of code for all the MCAL as well as BSW modules etc.

- **MCAL Code Generator**
  December, 2011 - February, 2012

  MCAL Code Generator is a standalone command-line application to generate AUTOSAR compliant configuration code. The MCAL Generator is a template based code generator (parser).The scripting language used is Velocity Scripting and the template parsing is done by Apache Velocity engine. The tool accepts AUTOSAR compliant description file and module templates. It parses the description file and the templates to generate AUTOSAR compliant configuration files.

- **MCAL Installer**
  November, 2011 - December, 2011

  The MCAL Installer is a standalone installer to install various MCAL modules and its required files to the end users machine. It accepts a license file from the user and based on the information in the license file, installs the required modules to the user's machine.

- **MCAL License Generator**
  October, 2011 - November, 2011

  MCAL License generator is a standalone GUI application to generate the license file for the selected MCAL variant/ modules for the given period (in days). The generated license file is provided to the user with the installer and contains the information regarding the MCAL software to install.

Onsite Experience

Automated test case generation for Automated Testing Framework. Earlier the test cases were required to be given manually. Now, the test case generation was fully automated together with the automation of AUTOSAR specific configuration file generation.

References

1. P M Selvaperumal
   Competency Manager, Platform & Application
   Tata Elxsi Limited Ltd
   Phone: +91 9846118855
   E-mail: pmsperumal@tataelxsi.co.in

2. Adam Wojnakowski

Renesas Electronics Europe Ltd
Phone: +44 1628 651780
E-mail: Adam.Wojnakowski@renesas.com