**Prasanna B**

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**Objective**

* To utilize my acquired competency for at most use towards development of my skills and experience for upward movements in technologies. Pursuing for a promising career in the software field where my diligences and dedication will ameliorate me to the pinnacle of success while contributing to the growth of the organization where I will work.

**Professional Profile**

* Expertise with Programming Advanced features C, C++, STL and Object-Oriented Programming.
* Focus on writing code following best practices quite familiar with Linux and Windows environments.
* Excellent understanding and proven ability to implement object-oriented solutions with C++ and Linux using standard IDE environments : GCC .
* Experience in phases of the software development life cycle - requirements analysis, design, development, testing, implementation and support.
* Strong knowledge in Design Patterns Socket Programming and Multithreading.
* Good knowledge in debugging GDB, VC++.
* Good communicator - able to work well in a team environment with verbal and written communication.
* Design, build, and maintain efficient, reusable, and reliable C++ code.
* Having knowledge on ISO 8583 Message.
* Having knowledge on Rupay Specification

**Technical Expertise**

* C, C++, STL, Design Patterns.
* Hands on experience in programming using multithreading, IPC.
* Configuration Management using SVN, GIT.
* Result-driven Quality Assurance professional with knowledge in manual testing and extensive experience in software development methodologies including Agile process

**Qualification**

**MCA** with**74%** aggregate from P.B.R VITS in J.N.T University.

**Professional Experience**

Hcl Technologies Software Engineer Feb2017 April2018

Girmiti Software Pvt Ltd Software Engineer Oct2018 -Till Date

**Responsibilities & Achievements**

* Design and development of various high profile applications using tools.
* Interpret the written requirement and analysis need for projects.
* Working with most senior developers to identify, define requirement of the application and ensure proposed application will meet the business n
* Maintaining team spirit in improving technical and domain understanding.
* Consistent performer with achievement of excellent appraisal rating.

**Skills Expertise**

* Good knowledge on C, C++, OOPS concepts, Data structure and LINUX internals.
* Having excellent knowledge in C++ Polymorphism, Templates, Exception Handling.
* **Sound in C** - Pointers, Function Pointers, DMA, structures, preprocessor, storage class specifier.
* Good knowledge of Operating Systems concepts, Linux System calls, inter process communication, process/thread.
* Familiarity with Make files, Static and Dynamic libraries with the Linux 2.6 kernel.
* **Design patterns** - Factory, Singleton, Abstract Factory.
* **Data structure and algorithms** – linked list, STL used
* Depth knowledge in socket programming in UNIX and Linux.
* Good Knowledge of protocols TCP/IP and UDP/IP in UNIX, Linux.
* Good understanding of Software Development Life Cycle (SDLC) and good knowledge in debugging by using GDB debugger arm-Linux debugger.
* Experience in library development for pos terminals.
* knowledge in Open Source management (GIT).
* Experience in POS application development for POS terminals and poring
* Experience on JIRA, Git development process using Bitbucket
* Experience in POS application development for POS terminals and porting
* Experience in Library Development for POS terminals.
* Having Knowledge on ISO 8583 message.
* Understanding the Point of Sale requirements.
* Conducting Test Case Design, Test Execution and Test report preparation Attending daily stand up meeting with team.
* Preparing the test cases based on the requirement specs like SRS Use Case documents
* Executing the test cases updating the test results and generating the test report. Reporting the issues which were found during testing in bug tracking tool
* Attending the daily status call with customers and updating the status. Involved in the sprint retrospect meeting

**Projects**

* **CR/DB Application**

**Technologies and Languages:** C++,Linux, ISO 8583 Rupay specification

**Duration: OCT 2018-**  Till

**Team Size:** 4

**Description:**

Development of credit debit application for Verifone Vx Series of devices V400m, V240M devices and interface with XML based host.

Application supports initialization of the parameters like BIN, Card Parameters, CVM Limits, Alternative Host connectivity details etc.

Application Supports the following transactions types.

* Sale
* Refund
* Reversal
* Cancellation

Also other admin transaction like Key Inject, parameter download, software update

**Responsibilities:**

* Development UI flows using HTMLs
* Implementing classes as per UML design
* cURL implementation for integrating with host using HTTP methods
* Development of transaction flows.
* **IT6 Eagle development**

**Technologies and Languages:** C++,Linux

**Duration: Feb2017**–April 2018

**Team Size:** 12

**Description:**

MFP (Multi Functionality Peripheral) is an office machine which incorporates functionality of multiple devices like E-Mail, Fax, Photocopier, Printer, Scanner, FTP etc. This project deals with the development of Local User Interface Panel for the MFP using the QT Programming tool through which the User can operate.

**Responsibilities:**

* Developed a C++ code for Enhancement related work by adding the new features to the Panel side in MFP for betterment of User interaction.
* Developed a C++ code for interaction with the different layers of MFP.
* Have fixed the large number of complex defects in the MFP.
* Have designed the specification for the display of the screen.
* Developed a C++ code for the hardware and firmware requirements.
* Created the Detailed design documents using the sequence diagrams for all the requirements by understanding the top to bottom approach of interactions happening in the Panel.
* Have done Unit Testing, Component testing and Integration testing for all my developed modules in MFP.
* Have done on intertask communication RTOS concepts by using message queue ,pipes and semaphore.
* Developed multitasks(threads) by using multitasking

**Declaration**

I do here by declare that particulars of information and facts started here in above are true , correct and complete to the best of my knowledge and belief.

**Place**: Bangalore

**Date:16/06/2022**