

Kavitha Manoharan

E-mail: kavimano@gmail.com

Phone: +91-7406700799

Professional Summary – Project Lead – Wipro Technologies

- * Qualified Software Professional with 12+ years of experience in Development of software applications using C++, VC++, MFC, COM, C Sharp, C, HTML, MS SQL Server.
- * Hands-on experience with Object-Oriented programming
- * Experience in developing Automotive Infotainment UI, Printer Driver application, Archiving solution, C++ webservice, MFC DLL, internationalization
- * Knowledge in Core Java, PHP, Oracle.

Technical Skills

Languages: C++, VC++, MFC, COM, C Sharp, C, HTML, XML, QT
DBMS: MS SQL Server, MS Access.
Operating Systems: Windows, Linux
Tools: versioning tools SVN and Defect Tracking ALM, GitHub, Jira

Organizational details

- Working with Wipro Technologies, Bangalore from June 2016 to present – 5+ years
- Worked with Hewlett-Packard., Bangalore. Oct 2005 – Sep 2011 - 6years
- Worked with IRIS Soft Jan 2005 - Sep 2005 - 8 months
- Worked with Express Publications Ltd., Chennai. Nov 2003 - Dec 2004 - 1 year

Academic Qualification

Masters in Computer Science and Information Technology
Bachelors in Physics

Project Experience:

Ford Infotainment (November 2019 – till date)

Description:

Currently working in Ford Infotainment project which involves development, modification, debugging of SYNC4 UI Infotainment software as per technical design specification. Involves CAN Signal analysis. Modifying UI screens based on the CAN message received in the SYNC, once the message received segregate the values and display accordingly in the UI screens. As well as the changes in the UI will be dispatch to other modules via CAN messages.

Skills = C++, QT

Responsibility:

Ford Infotainment - Responsible for leading a team, Guided the team in all the Issue analysis and fixes, Responsible to deliver all the issues identified for the product releases. Helped customer in providing satisfactory resolution for issues faced along with Feature enhancement of the application.

HP Printer Driver (June 2017 – October 2019)

Description:

Windows Printer Driver – Working in Printer Driver project which involve new product instantiation with Feature enhancement and old product support. Technically Involved in the development of Feature enhancement request (I) to add Field level Help Tooltip in the Driver UI (II) feature change to support Grayscale for Photopaper (II) Have done Crash issue fix with in short time to resolve customer escalation. (III) Multiple Defect fixes.

Skills = C++ Windows, C Sharp

Responsibility:

Windows Printer Driver - Responsible for leading a new team, Guided the team in all the releases and issue fixes, Responsible for multiple new product /old product releases and handled multiple stakeholders. Have done 3 New product release without any Deviation in the milestone.

Cabela's (Aug 2016 – June 2017)

Description:

Retail application project involved in creating Webservice call to access Webserver details. Connectivity was expected from Retail application to SAP Server with Windows C++ . Using Curl commands created web calls to Webserver and successfully retrieved the details.

Skills – C++ Windows

Responsibility:

Responsible for project deliverable managed the project single handled in C++ technology.

DIGITAL INFOLIFE (Feb 2009 - June 2011)

Description:

Digital Infolife is an electronic archiving solution which enables centralized management of data and documents from a variety of sources in varied formats, as well as enhanced security through reliable capture, backup, and recovery. As a software engineer responsible for developing migration tool which will retrieve data/documents from Infolife storage media and place it in expected location. Also responsible for solving issues raised by customer. Have done a prototype model of SAP Archiving, which archives and retrieves ReoDocType between SAP and Storage media. This prototype model satisfies SAP Archive Link (http protocol) and Apache module is used.

IXOSMigrationTool:Language : VC++, MFC

Database: MS SQL Server

Duration : 2 months

Taken complete ownership in the tool development. Uploaded huge data's to database. This tool involves querying to database displaying data's in tabular format and displaying image from different location in a windows image viewer

HPLabs, Bangalore (Nov 2007 – Jan 2009)

Description:

Hosted Face Recognition as C++ webservice in Amazon Cloud and access it from the client. Created Swath images for Document Identification and transfer the swath images to cloud for identification. Linux porting of FieldExtraction that will extract image fields this is again for cloud related work. Also worked on Palm WebOS.

GUIDED HANDWRITING/KEYBOARD, HP LABS (Jan 2007 - Oct 2007)**Description:**

Guided Handwriting is a pen-based application which involves predictive writing method using partial handwriting for Indic Scripts. Here user writes full or part of base consonant, the relevant syllable will be displayed in the application in focus. As software engineer responsible for redesigning User interface. Gesture Keyboard is for inputting Indic scripts using a peripheral device with active electronic pen & key overlay pad. Responsible to make it support three language scripts Malayalam, Tamil & Bengali. Created a tool that compares doc with Unicode characters to find the GKB user level accuracy.

SELF HEALING, HP (Oct 2005 – Jan 2007)**Description:**

Self-Healing agent automatically detects a fault that occurs with HP software product running in the customer's environment and it automatically offers troubleshooting and suggestions for the detected fault. As software engineer responsible for creating MFC DLL that hooks to windows event log and continuously monitor event log for new events. As soon as an event is reported, the notification DLL collect information related to that event and notifies the Self-Healing Services that uses callback mechanism. Responsible for creating Windows service for running the core Self-healing client.

Skills – VC++, MFC, COM

AIM (Asset Information Manager (May 2005 – Aug 2005)

Skills - VC++ 3Month(s)

Description:

AIM is for managing the assets in Oracle, SQL and HirDB(Hitachi's) database. Responsible for whole GUI design

Developing Multilingual Application (Jan 2005 – May 2005)**Description:**

This project is for Internationalizing a product to run on different language OS. Here English product is made to run on Chinese, Japanese & Korean OS. By using Unicode, Dynamic Font & ResourceDLL.

Responsibility:

Responsible for making English product to run on Chinese, Japanese & Korean OS. By using Unicode, Dynamic Font & ResourceDLL.

PAGINATION (Nov 2003 – Dec 2004)**Description:**

Pagination is Page Making software similar to Quark Express, which is used for Newspaper publishing Industry, It helps the user to do text manipulations, picture and advertisement part electronically. It is an In-house project; this project involves all text manipulation editing the text, kerning, leading, font styles, baseline shift, highlighting, coloring etc. All types of Picture Manipulations, Rectangle, and Line etc. are handled using MFC Class CGdiObjects. All the content of the text are stored in files and the details of the files are maintained in Postgresql database for security purposes.

Skills – C++ Windows

Responsibility:

Responsible for text related manipulations like Softlinebreak, Leading, All Caps, Small Caps, Cursor movements, Highlighting text, Retrieving ini entries and saving files in HTML, XML formats. Picture color settings Converting RGB to CMYK, Storing Text Formats from CFile to CList Class.