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OBJECTIVE

11+ years of experience in design, development and testing in one of the leading software companies in the world HCL Technologies Ltd and Cognate global Business solutions. Involved in various aspect of software development activities such as preparation of Software Requirement Specification, High Level Design, Low Level Design, Coding, Unit testing, Integration Testing of projects in semiconductor domain and Printer domain. Strong Hands on Experience in Bug fixing, code review fixes and GUI improvements and development of color modules for production printer release in Solaris, Linux and Windows platform, Worked with Xerox client for more than 5 years of color Image Quality Team. Good analytical and problem solving skill. Always good in and interested to learn new technologies quickly and ability to work independent.

PROFESSIONAL SUMMARY

- Experience in Design and development of core modules as well as application development.
- Extensive experience in developing code for color science technology using .ali scripts, C++, python and php
- Extensive experience in development of web application and application hosting using AWS.
- Experience in designing screen mockups using Adobe XD and Invision.
- Experience in quantitative and qualitative analysis of print outcomes for each product release. Played a role as Image Quality analyst for Production printer release.
- Extensive experience in visual analysis of prints for new printers for validation as part of review at the end of development
- Created lot of tools for development which always helps my team members to complete their tasks quicker than usual.
- Had opportunity to do parallel programming lot of time as part of development which helps me to be in sync with all my team members most of the time. Each person in team knows what others are doing and which helped a lot while reviewing the code.
- Supporting offshore team members whenever they were trying to resolve critical issues.
- Experience in giving knowledge transfers to the new team members whoever joining my team.
- As part of development, I Use to create wiki page for each and every work that I am doing and sharing with my team as part of reviewing the work and which helps a lot as a reference for future releases.
- Experience in testing, reviewing and fixing the issues in our code as part of integration development with multiple modules.
- Followed the process of Agile and Scrum Methodology for software development.
- Played a role as a scrum master and as a senior person in the team, I was doing the estimations for the tasks planned for certain product backlog items and reviewed the works that the team members did.
- Experience in working with US clients and Japanese clients
- Documentation of deliverables like Low Level Design Document, Detailed Design Document, Test Case Document & Test Results
- Achievement oriented with an ability to manage change with ease. Willing to learn and upgrade skills
- Good communication skills, interpersonal skills, presentation skills, self-motivated, quick learner, team player
- Implemented Defect Prevention Process and created awareness about the quality process among the team members

- Experience in Offshore & Onsite Co-ordination using updated query logs, status meetings, tele-meetings, & emails

EDUCATION PROFILE

- **Bachelor of Engineering in Computer Science**

TECHNICAL SKILLS

Programming Languages	C,C++, python, php, HTML/CSS, Color Science, swift, AWS
Development Tools	QT GUI Development Tool Kit 4.5, Eclipse 3.6, CTK(color Tool Kit), visual studio 10, MATLAB, ali scripts.
Debugging Tools	dbxtool, ddd, edb(XIG), WinDbg
Configuration Management Tools	Tortoise SVN, Accurev, Hutson, CILoop, Jenkins
Operating Systems	Windows98, 2000, XP, 7 & 8 and 10, UNIX, Red hat Linux & Centos, Solaris.

PROJECT #1:

Cognate Global Business Solutions
01/05/2021 to Till Date

Project Role: Technical Team Lead (Full Stack)

Summary of work:

Working directly with clients to deliver web application using HTML/CSS, php, WordPress.
Designing prototypes for web application.
Deploying and hosting a web application using AWS
Familiar with most of AWS services and concepts
Handling a team of 6 to develop contents for web page development and also handling a team of 5 for Devops.
Taking care of training the freshers on html/css, python, php, AWS and automation using python.
Involved in taking technical interviews for getting good team for the organization.

PROJECT #2:

Xerox Corporation - VIPP (HCL Technologies Ltd)
15/01/2019 to 02/12/19

Xerox Variable Data Intelligent PostScript Printware (VIPP) is a powerful system of fully compliant PostScript technologies for the production of personalized documents. VIPP consists of a set of

macros that reside on the PostScript interpreter, eliminating many of the time-consuming steps associated with traditional variable information workflows by enabling Dynamic Document Construction (DDC) at the printer. Xerox VIPP is an open programming language that exploits the flexibility of PostScript in constructing dynamic documents. Because VIPP has a powerful merge engine for creating personalized business documents, it allows variable documents to be composed at the printer in real time.

Project Role: **Senior Developer**

Summary of work:

Visual Design Pro - Front end application development using Visual C++ in windows environment

Worked on fixing ARs and SPAR

Completed migration of entire source code from CVS to SVN

Creation of new dialogs and UI using WX Widgets.

Worked on build automation such as migration of code with Installanywhere and Jenkins.

PROJECT #3:

Xerox Corporation - Client platform development (HCL Technologies Ltd) 01/04/2017 to 15/01/2019

Xerox delivers Microsoft Windows print drivers for all printers and scanner that Xerox delivers every year. This has two versions of APP V3 and V4, Where V3 is the normal Print driver Ui in old windows platforms and V4 delivers the new APP GUI in latest versions of windows 8, & 10.

Project Role: **Senior Developer**

Summary of work:

Working as a developer and also a track lead for V4 print driver development

Working in both frontend and backend development activities where the front end UI and APP development using C# .net and the backend development using C++

Delivered V4 print drivers and APPS for almost 4 to 5 Xerox printer that was delivered since last year.

Also taking care on fixing the bugs for the drivers that are already delivered

PROJECT #4:

Xerox Corporation - Free Flow Print Server (HCL Technologies Ltd) 15/08/2011 to 30/03/2017

Free Flow Print server is an interface for the production printers for Xerox. More than 1000 customers worldwide using FreeFlowPrintServer as a GUI interface for production printer interaction for various Job processing before printing.

Project Role: **Senior Developer**

Summary of process followed:

- In the current project, followed Scrum process since we were using Agile software development paradigm.
- Picked up tasks assigned on my own and completed on time.
- Fixing issues from customer on time as per outlook date which I have provided.

- Each iteration we use to plan for taking some Product backlog items in which I use to give estimates for the respective PBI's that I am going to work on based on my experience.
- Involved in creating defects whenever I see some problem and identified which team to work on that and assigned to the correct person to work on that issue. This improves my ability to find root cause of the problem much quicker than earlier.

Onsite Trip 1

01/11/2013 to 30/03/2014

- I have been there in United States (Webster, NY) for 5 months to deliver color module for new printer
- Had a good experience of working closely with SME and clients.
- Learnt color science concepts of XIG(Xerox Innovation Group) with the help of onsite SME
- Worked on development of complete printer product release using C++

Onsite Trip 2 05/06/2015

08/28/2014 to

- I have been there in United States (Webster, NY) for 9 months to deliver color module for new printer release Edmonton
- Worked on windows based color module development for a complete production printer release
- Learnt a lot of stuffs and ability to work equally with peoples who had more than 25 years of experience in Xerox.
- Participated in technical review with onsite team and prepared a list of issues reported during review and created action requests for the reported issues and followed up until issue got fixed.
- Got good feedback from onsite team for all the good works that I did, Fixed some critical color issues during delivery E.g.: Incorrect color mapping issues. Most of the code that we used was Object oriented
- Followed Agile & Scrum methodology, Attended daily status calls and gave presentation of all the works that I did as part of delivery
- Created wiki page for all the issues that I have worked on and shared the same with all team members for review as well as for future reference.

Onsite Trip 3

10/21/2015 to till date

- Currently working from onsite location to deliver color module and got opportunity work on application development GUI module for FFPS printer releases.
- Working on frontend application development of FFPS using C++, C# and JS
- Most of the code that we developed for core color module is written in C, we are porting the old code to C++ and implementing the new code in C++, Java and Java scripts for frontend GUI development
- Java code from frontend will call the APIs that we created in C++
- Did a research project of assessing more than two technologies that we are using for creating a new profile for Production printers.
- Direct interaction with clients and customers to resolve issues and get requirements clarified each iteration.
- Used Remedy to track issue tickets

Invention Disclosure:

I have submitted two ID's for Xerox in which one of them is under review and another got rating 2.

Color Science Experience summary:

As part of working in printer domain, the first years I started working Xerox in 2011, I got trainings from the color science SME's from Xerox to do work. As part of delivering color package I did the following,

- Quantitate analysis of the ICC profiles using the tools to make sure that the gamut that we are generating for the printer is good
- Integrate our color package code set to other modules to make sure that the FFPS system updated with specific color version that we are designing
- In an installed system, creating destination profiles and taking prints
- Analyzing actual prints and profiles using analysis tools, Identifying problems if any
- Fix the identified problems by tuning parameters with various iteration of print reviews until we get a good print
- Interacting with customers during print reviews helped me improving my understanding about variations in human visual system

PROJECT #5:

Client: Tokyo Electron Limited, Japan

TELST - KAMUI (GUI Development for Wafer Processing Machine) (HCL Technologies Ltd) May 2010 to Aug 2011

Tokyo Electron Limited (TEL) is a leading manufacturer of Semiconductor Production Equipment. TEL MMI Framework project deals with the replacement of existing GUI Application in XMate and C language with the latest QT Technology and C++. The GUI application follows Model View Controller architecture and acts as an interface between the user and Equipment Control Software. The application provided tools, utilities, classes and GUI components to achieve various functionality like Real-time Equipment Status Display, Equipment Operations, Create, Edit Recipe and Parameters

Project Role (Software Engineer - Developer)

- Worked on GUI Development using QT with integrated C++ code base.
- Understanding the existing code flow which is written in C by setting up debugger, source code browser and then developing codes using C++ (making API calls from GUI which we developed)
- Providing estimation for particular screen Development (Including the design and development of UI as well as the actual code to write in C++)
- Used UML to create low level design for particular screen.
- Debugging the issue at real time by stepping through the code (Used Eclipse for line by line debugging)
- Involved in activities such as Reviewing the code which we wrote using static code analyzers and also peer review and Fixing the Codes based on review feedback.
- Involved in fixing the internal bugs that we found as part of development and internal testing as well as the existing bugs reported by customers in existing modules.
- Worked on creating New Widgets which is common for all the developers who is going to work on GUI development.
- Worked on making some QT UI Improvements like enhancing the visibility like applying colors to UI and 3D effects.

➤ Preparation of Unit Test Plan Document