Aditya Sarvan Tatapudi

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Skill Summary

- **August 2010 - present** Working as Technical Specialist in HCL Technologies Ltd, Chennai
- Received **US patent** in 2018 for **Methods and systems for remotely configuring a multi-function device,** Patent number: 10038808.
- **Technology Stacks**: C, C++, Linux, PostgreSQL, IPC, Data structures, Google Protobuf, AWS, Multithreading, STL, Socket Programming, TCP/IP and SNMP
- Experience in **Printer** Domain. Designed and implemented multiple new features for Multi-Functional Printer.
- Experience in **Image Processing** Domain and have implemented image processing and image conversion application on **AWS cloud**.
- Involved in all phases of **SDLC** - Analysis, Designing, Development, Optimization, and Impact analysis.
- Worked with **Agile** methodologies and ceremonies for project development.
- Well versed in using **XML** parsing tool (XDS Viewer) & designing UML diagrams (Sequential & class diagrams)
- Experience as an **Onsite Coordinator**. Worked closely with onsite and offshore teams. Presented weekly status to client and interacted with product owners and System Engineers to get requirement clarification and showing demo.
- Track the daily roles of team members and enhance them to reach the productivity with great quality.
- Have completed major packets as a lead.
- Core expertise in code reviews and code debugging skills.
- Received Outstanding Award continuously for 10 years and reached HCLTech **Hall Of Fame**.
- From ERS participated **CMMI Level – 5** assessment and presented quality metrics taken care by the projects and made sure the assessment is successful.

Educational Qualification:

Degree	Subject	University/College	Year
M.B.A. (Master of Business Administration)	Business Analytics	BITS Pilani	2024
B. Tech (Bachelor of Technology)	Computer Science Engineering	Kaushik College Of Engineering, JNTUK	2010

Significant Project Experience:

Project	: **Xerox Discovery Platform Development**
Designation	**: Technical Specialist**
Role	: Technical Manager
Platform	: Linux
Tool & Technologies	: C, C++, PostgreSQL, IPC, Data structures, Google Protobuf, Multithreading, STL, SNMP, FixIt, Jenkins and Accurev
Team Size	: 50
Duration	: **Feb 2023 – Present** and **Sep 2018 – Jan 2020**

Project Details:
Xerox Platform Development is a project where the customer requests for a feature and it needs to be added in the existing platform. The Network Controller is the software package that consists of a fully integrated set of software and hardware facilities, components, modules, and Application Programming Interfaces (APIs) that support the network, printing, and scanning functions (other than copy). The scope of this project involves design and development of features to add functionality to the printer products, resolving bugs found by QA within the given time frame for release. The Operating System Used is Linux for development. Based upon the feature a team or group teams need to be work. The defects which are caused due to the added feature need to be addressed. Complete testing must be done before delivering the feature.

Responsibilities:

- Implemented multiple features for a multifunctional printer.

- As a team lead took complete responsibility for quality code delivery and team productivity.

- Done design documents for the features done by the team.

- Involved in the design meetings conducted by client and provided appropriate feedback for the designs of all teams.

- Presented teams productivity and feature implementation status to client on weekly status meetings.

- Done the quality documents required for the quality team for the project.

- As a HCL C++ SME and SME for multiple modules, performed code reviews for the code delivered by multiple teams in onsite and offshore.

- Participated in Senior Management Review meetings and provided status and feedback to Senior Management
- Involved in defect analysis and provided fixes.
- Involved in Scrum, Agile Board, sprint planning, technical decision, team handling, coding, and unit testing.

Project	: **Xerox Discovery Platform Development**
Designation	: **Technical Specialist**
Role	: Onsite Coordinator and Technical Manager
Platform	: Linux
Tool & Technologies	: C, C++, PostgreSQL, IPC, Data structures, Google Protobuf, Multithreading, STL, SNMP, FixIt, Jenkins and Accurev
Team Size	: 50
Duration	: **Jun 2022 – January 2023** and **Jan 2020 – March 2021**

Responsibilities:
- As an onsite coordinator worked with multiple teams in onsite and offshore.
- Worked with Product owners and System Engineers to get the requirements and shown demo once implementation is done.
- Interacted well with different SME's and made sure the clarifications are addressed on time.
- Had one to one with the client and provided status of the project.
- Along with being an onsite coordinator handled a team of seven members and made sure their tasks are completed on time with quality.
- Got KT from different SME's and provided the same to offshore team.
- Using Raspberry pi made a setup in onsite such that multiple machines back channel can be accessed from offshore.
- Suggested some initiatives that can be done by done.
- Implementing new features and Unit testing and responsible for closing the bugs by understandingcode behavior and its impact on current versions and past releases.
- Finding and modifying errors in code. After Modifying the error related code need to verify it does notaffect the dependent modules.
- Need to do manual testing on the modified code and to check all the possible test cases of the modifiedcode.
- Participated in troubleshooting, bug fixing.
- Involved in Scrum, Agile Board, sprint planning, technical decision, team handling, coding and unittesting.

Project	: **Ancestry Image Processing and Image Conversion**
Designation	: **Senior Technical Lead**
Role	: Team Lead
Platform	: Linux
Tool & Technologies	: C, C++, AWS, GIT
Team Size	: 30
Duration	: Feb 2018 – Sep 2018

Project Details:
The scope of this project is to implement an automated Image Processing and Image Conversion Application on AWS cloud. Application has to has to fetch set of images which are photographed or scanned, perform image processing as per user request and do image conversion to different formats and upload to a location on cloud. Fix the issues found in testing and do production launch.

Responsibilities:

- Took complete responsibility of C++ application development on AWS.
- Provided design for image processing and conversion application to fetch, process and upload the images on AWS cloud.
- Handled a team of 4 members and made sure the development is completed on time with zero defects.
- Integrated with other modules like User Interface and Imaging software.
- Performed code reviews.
- Participated in client review meetings.
- Did defect analysis and provided fixes for issues found in internal testing.
- Involved in Scrum, Agile Board, sprint planning, technical decision, team handling, coding and unittesting.

Project	: **Xerox Discovery Platform Development and Bug Fix**
Designation	: **Technical Lead, Lead Engineer, Software Engineer**
Role	: Senior Developer and Developer
Platform	: Linux
Tool & Technologies	: C, C++, PostgreSQL, IPC, Data structures, Google Protobuf, Multithreading, STL, SNMP, FixIt, Jenkins and Accurev
Team Size	: 50
Duration	: Dec 2010 – Aug 2018

Responsibilities:

- Involved in the development and implementation of business logic for new enhancements.
- Involved in defect fixing for NC module.
- Involved in the support, maintenance, and development of critical systems.
- Implemented new features and worked with Agile methodology.
- Worked on defects raised by QA teams and end user customers.
- Completed assigned tasks with good quality and time.
- Made sure productivity target assigned to me is met.