

AVINASH KUMAR THAKUR
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PERFORMANCE-DRIVEN PROFESSIONAL: SOFTWARE ENGINEER

- Excels at multi-tasking in a fast-paced environment, completing projects within time and efficiently.

TECHNICAL PROFICIENCY

C++ 11(Windows)

Python

Visual Studio, Android Studio

Jenkins(Freestyle & Pipeline)

MFC UI changes

HTML,XML,CSS

Instrumentation Test Harness

JIRA, Bitbucket, Git, BAMS

WinSCP, ServiceNow,
SonarQube, Veracode

PROFILE SUMMARY

- Over **6 years** of experience in Software Design and Development phases of System Development Life Cycle.
- Technical Expertise in Object Oriented Applications using Windows & Linux C++.
- Developing code analyzers by implementing quality rules and adding new syntax.
- Having knowledge on Visual studio MFC.
- Worked in data structures, feature addition and writing test case.
- Technical Expertise in python script, parsing, socket communication, protobuf.
- Experience on Project management tools like JIRA, GIT, Jenkins and Bitbucket.
- Experience in Python, Test harness, Junit instrumentation test cases.
- Working as a **Software Engineer** for **CAST SOFTWARE** from **November 2020 to Till-date**.
- Worked as a **Software Component Developer** for **THALES** from **September 2019 to October 2020**.
- Worked as a **Software Developer** for **TECH MAHINDRA** from **March 2017 to September 2019**.

Company: **Cast Software**
Project: **Java Analyzer**
Technology: **C++ 11, Windows, Java**

Project Description:

Cast provides Software Intelligence products which provide statistics of software health and software risk by analysing the code of the application. This analysis information helps the application to be in line with industry standard rules. Identify specific code location of critical flaws. Architectural flaws inside the riskiest objects and insight into defects.

The JEE analyzer extension provides support for JAVA applications. The analyzer enables you to compute Automated Function Points and provides Quality checks for JEE projects. Software health in terms of robustness, security, efficiency, changeability, transferability and quality.

Key Responsibilities:

- Agile sprint is followed for timely new release of JEE analyzer extension.
- Implementing new quality rules of JEE projects, which shows violation in application code. These rules are best coding practices defined for JEE.
- Adding and modifying new syntax support in analyzer based on customer requirement and latest syntax introduced in JEE.
- Identifying the missing/wrong links between objects and fixing the same by providing appropriate resolution of objects.
- Resolving tickets of the product. This involved getting the affected source code, analysing with source and reproducing the issue. Understanding the cause of issue by debugging and fixing it.
- Discussions on changes introduced in JEE latest versions.
- Involvement in planning the design of the product for solving issues.
- Following software development process using tools like git, Jenkins, NRT, JIRA, confluence.

Team size: 6

Duration: Nov 2020 to Till date

Company: Thales
Project: In-Flight Entertainment
Technology: C++ 11, Linux, python

Project Description:

Thales's in-flight entertainment solutions lets airline passengers stay connected while delivering a truly immersive experience throughout their travel journey. There are two type of products:

1. Avant
2. Connectivity

Avant, offers exceptional in-flight experiences to both airlines and passengers worldwide with the latest-and-greatest monitors, handsets, peripherals to integrate with Personal Electronic Devices (PEDs), servers, tools, in-seat power and a broad catalogue of apps and games. AVANT's open based Android platform makes it fully scalable and highly customizable, enabling airlines to offer a feature rich experience to all passengers on board.

Connectivity provides internet access to passengers device. Also gives access to contents available in aircraft servers.

Key Responsibilities:

- Agile sprint is followed to complete story on Linux environment.
- Completing change request to add new feature along with writing test case in C++ 11.
- Resolving tickets of the product. This involved understanding the affected component, reproducing the issue, analysing the logs and finding the root cause and fixing it.
- Python function creation, protobuf structured data, adding new classes.
- Executing framework test harness, fixing failed test cases and writing new test cases in Java.
- This involves debugging the script, code. Installing the build on device and testing the build.
- Improving code quality with help of SonarQube by resolving critical, major issues identified by SonarQube.
- Active participation on meetings to interact with On-shore team.

Team size: 12

Duration: Sep 2019 to Oct 2020

Company: Tech Mahindra
Project: Contributions
Client: Thomson Reuters
Technology: C++ 11, VC++, Windows, Linux

Project Description:

Thomson Reuters Contributions platform designed to take data from input source and to contribute that data to output destination in the appropriate format using the appropriate protocols. This platform consists of following tools:

1. Contex
2. Marketlink IP
3. Eikon Insertlink
4. Eikon Excel

Contex is a software based contribution platform. It takes the data from a range of sources, including pricing engine or market data platform, transforms it into appropriate formats and protocols, and publishes it to a variety of destinations including information vendors, exchanges and internal users.

Contex consists of line handlers. Features of Contex include, build and maintain the Contex configuration, map data through the system to the appropriate output, changes can be applied in real time.

Key Responsibilities:

- Handling the Rebranding of Contex product. This involved identifying, assigning task to team. Have done work on UI changes, Installer changes, Log changes, Image changes.
- Initiated and implemented OpenSSL in Contex by understanding the SSL concepts and integrating OpenSSL libraries for secure transfer of data using encryption in windows C++.
- Worked on VC++ 11 MFC to do the User Interface changes for multiple enhancements like OpenSSL, ATS, Subject DACS.
- Have designed, modified and prepared the technical specification document, existing documents and chm files.
- SonarQube and Veracode reports for the contribution applications.
- Debugging the application to find the root cause of the issue.
- Active participation on meetings to interact with client.

Team size: 12

Duration: Oct 2017 to Sep 2019

EDUCATION

2014 **B.Tech. (Mechanical)** from JNTU Kakinada
2010 **H.S.C.** from Kendriya Vidyalaya No-1(N.S.B), Vishakhapatnam, CBSE
2008 **S.S.C.** from Kendriya Vidyalaya No-1(N.S.B), Vishakhapatnam, CBSE

CO-CURRICULAR ACTIVITIES

- Served as a Discipline Captain at school level
- Adjudged as the winner of the Table Tennis Tournament held in college, 2013

PERSONAL DETAILS

Date of Birth : 10th December 1992
Languages Known : English and Hindi
Present Address : Suprassana Residency, 13th H Main Rd, HAL 2nd Stage, Doopanahalli, Indiranagar, Bengaluru, Karnataka 560008