

Benjamin Mariadas

Senior Software Engineer - QuEST Global

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WORK EXPERIENCE

Senior Software Engineer

QuEST Global - July 2010 to Present

July 2010 Till date

Technical Skills

Operating Systems - Windows - 7/ XP/2K, Linux

Programming Languages - C++, Visual C++, C#, Core Java

Graphical User Interfaces - MFC, GDI, Swing

Concepts - OOPs, Multithreading and Synchronization

Configuration Management Tools - MS-Source Safe, SVN, TFS

Database Management System - MySQL

Others - Java Script, HTML, JUnit

Major Projects

Parametric Image Viewer

Software Engineer

XStream Software - July 2007 to July 2010

Senior Software Engineer

Tool/Technology - 2010 to 2010

Parametric Imaging is the process of applying color to each pixels in an image based on their intensity level (known as parameter value). Coloring of the image will be done after some calculations (algorithm process) on the pixel data. It is a standalone application which accepts X-Ray DICOM images and convert it into color image. Algorithm Process includes some calculations on the input image & make the image ready to be color mapped, after algorithm process we apply color to each pixel in the algorithm processed image.

I was involved in

- Algorithm processing and raw file generation for image processing.
- Testing and bug fixing.

Revolution-High Speed CT - Patient Area

Tool/Technology Platform Role Team Size

Core Java, Swing, JUnit Linux Software Consultant (Onsite US) 5

"Revolution High Speed CT" is a medical device used for scanning in hospitals. Actively participated in the development of UI of this system. The UI architecture consists of clearly defined spatial zones within the left and right head displays. Each area has a unique identity to provide a consistent place for a technologist to perform specific steps. The design of these areas is based upon an understanding of the functional and emotional needs of technologists and was validated by user evaluations.

Patient Area

This area encapsulates patient specific information at the exam level. It features an illustration of a patient with specific anatomical sections highlighted indicating the areas to be scanned based upon the selected protocol(s).

As a consultant I was responsible for design, development and test case preparation of this application using swing.

DICOM Viewer(Internal)

Tool/Technology Platform Role Team Size

Core Java, Swing, JUnit Windows Software Engineer 5

DICOM Viewer is a standalone application. It aims to provide a comprehensive suite of medical diagnostic features for 2D medical Images. The Image display and diagnostic features shall meet the high performance and quality expected by the end users of the system.

I was involved in

- Measurement drawing.
- Developed thumb nail display area of viewer.
- Performed manual testing.

RapidEye Viewer

Software Engineer

Tool/Technology - 2010 to 2010

RapidEye Viewer is a standalone application. It aims to provide a comprehensive suite of medical diagnostic features for 2D medical Images. Medical Images are stored in DICOM format in a PACS Server, which may reside in the Internet or an Intranet. The Image display and diagnostic features shall meet the high performance and quality expected by the end users of the system.

I was involved in

- Measurement drawing.
- Developed thumb nail display area of viewer.
- Performed Manual testing and Automation testing using (Test Automation Framework)

SANAKO Exam Wizard V3.0

Tool/Technology Platform Role Team Size

VC++, MFC Windows Developer 4

The SANAKO Study Examination module is a valuable tool that helps teacher create examination quickly and easily to test students in a number of different ways. The teacher interface (SANAKO Exam Wizard) can be launched from the Study teaching software, making it easy to quickly set up and administer tests from the same interface used for instruction. The SANAKO Exam Wizard guides teachers through the creation of the test, offering a number of options for question types, and providing a great deal of flexibility in testing students' abilities. SANAKO Exam Wizard facilitates step-by-step assembly of questions and other components/ elements of an assessment. The wizard guides the developer through each of the steps involved in creating a new assessment or modifying an existing assessment. Sanako Exam Wizard v3.0 supports multiple languages and it has print functionality.

As a Software Engineer, I was responsible for:

- Responsible for the complete development process of SANAKO Exam Wizard V3.0 from existing SANAKO Exam Wizard V2.1
- Responsible for maintenance of Sanako Exam Wizard V3.0
- Testing and Code review

A four-member team was involved in the development of the Sanako Exam Wizard V3.0 using Visual C++, MFC, and COM

RapidExam V4

Tool/Technology Platform Role Team Size

VC++, MFC Windows Developer 4

RapidExam v4 Deluxe is XStream Software's 100% Programming-free Assessment and Certification Authoring technology. It enables developers to create, customize, and deploy interactive question-based assessments (including certifications, exams, proficiency tests, quizzes, questionnaires, surveys, etc.) with full scoring, tracking, and analysis/reporting capabilities.

As a Software Engineer, I was responsible for:

- Responsible for the complete development process of Rapid Exam V4 print Functionality.
- Responsible for maintenance of Rapid Exam Wizard V4.0
- Testing and Code review

A four-member team was involved in the development of the RapidExam v4 using Visual C++, MFC, and COM

EDUCATION

B.Tech in Electronics and Communication

Vellore Institute of Technology

2005