



Shaping Healthcare Possibilities

Success Story

# Achieving automation excellence in X Ray systems: Seamless Integration in Radiology

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## About the client

The client is a global medical technology and digital solutions innovator. They have an advanced software tool developed for X-ray systems to improve workflow automation in radiology departments.

## The Challenge

- Business objective is to automate ~5000 test cases in a year.
- Support for multiple programs such as FIXED RAD and Mobile versions
- Leveraging existing squish + python BDD framework
- Making sure automated scripts are executed seamlessly in other CELL environments and does not impact existing automated test cases

## Tools and Technologies

- Squish Python automation framework with BDD approach



## The Solution

- CitiusTech provided solutions to automate the product for X-ray devices
- Team started this engagement in Jan 2021
- Team spent 1 month understanding high level features, automation framework, BEST practices and batching process
- CitiusTech provided resource onboarding plan to accomplish this business objective.
- Over the period of 3 months, team automated 600+ test cases
- Developed automation scripts using Squish, Python & BDD approach using git & gitlab as CI
- Team is using git branching approach to deliver the test cases for code review
- Designed newly created test cases to work on various machines/Programs for bench execution and cell environments.
- Team developed python-based utility to avoid duplicate entries in one of the modules that prevented failure in execution





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# Thank You

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With over 8,500 healthcare technology professionals worldwide, CitiusTech powers healthcare digital innovation, business transformation, and industry-wide convergence through next-generation technologies, solutions, and products

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