

# SOLUTIONS BRIEF: KEYWORDS QA ENGINEERING

## PARTNERING FOR GAME QUALITY THROUGH SUCCESSFUL AUTOMATION

Game quality is a key imperative for success. Implementation of an effective testing plan throughout the game development lifecycle is now a given. However, you require certainty that you have covered all of your bases or your game may not perform at its best. At Keywords we have collaborated with numerous clients for many years, partnering for optimal testing and results. We understand QA Engineering and we are here to help devise and implement the best testing plan for you.

QA Engineering is focused on testing throughout the development lifecycle. Often referred to as “Software Development Engineers in Test” (SDET), or QA Engineers, they are a vital component of any game development team. Keywords can support you with your QA Engineering needs and can deploy a team of specialists to your premises (onsite) or be available externally as required (offsite). A range of custom automated testing tools are also readily accessible, these can help reduce your costs and save time.

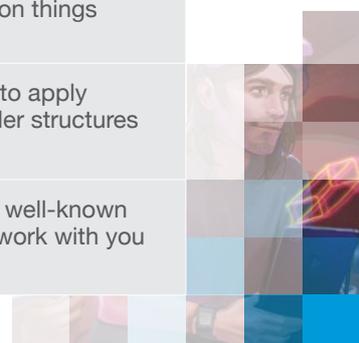
### Successful Automation

You may have heard stories or have already tried automation yourself and experienced varied success including broken scripts, rewriting code and churn. A common theme is “we spent a lot of money on automation and in the end, we didn’t have much to show for it.”

At Keywords Studios, we hear those stories too and we understand the challenges involved. One way to help ensure successful automation is with planning. Keywords offers Automation Readiness services which provide a roadmap to a successful automation campaign in advance of writing automation scripts. Our experienced SDET’s will review your application and test framework to provide truly reliable solutions that will help improve your automation success.

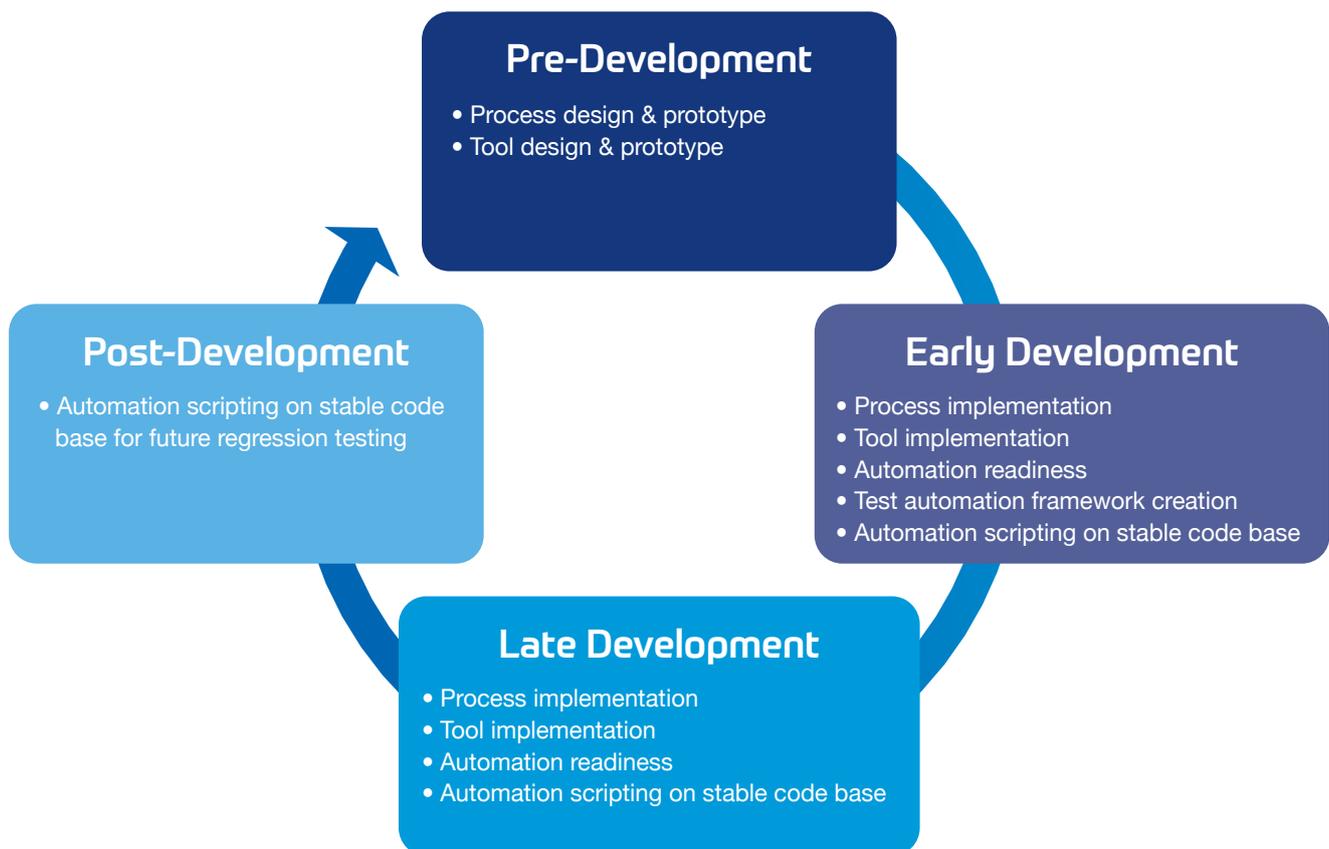
We know that strong QA Engineering can help make your product better and your day-to-day workload easier and we can provide a range of offerings to meet your specific requirements. We can help!

WHAT WE OFFER	WHAT IT PROVIDES
Test Automation	Keywords QA Engineering can check for automation readiness and report on any changes required to ensure successful automation. Once automation readiness is achieved, our team can write solid test automation scripts that will help save you time.
Process Tools	Tools that automate everyday tasks. Any task that is done often and uses the same steps should be automated. Keywords QA Engineering can help you to design and implement tools that will save you time, reduce errors and let you focus on things that are more important.
Quality Control Tools	Tools that automate rules and standards. As your team grows, the need to apply standards becomes more important. Checking naming conventions, folder structures or check in verification can be done as part of your process.
Art Quality Control Tool	Using APIs of popular Graphics programs to quality check art assets for well-known errors. This is especially important for outsourced assets. Our team will work with you on a list of checks that make sense for your team.



## QA Engineering during the Development Cycle

QA Engineering is important at every phase of the development life cycle and Keywords can support at each stage. Planning is critical and successful QA Engineering is highly dependent on this. The following chart outlines the key tasks for completion by stage:



## Proven Expertise

Keywords QA Engineering core team consists of experienced and versatile engineers. We hire based on experience in the field and ability to work effectively with our clients. Working with your team means quick communication and faster turnaround. We are passionate about quality and will partner with you to make the best product possible.

## ABOUT KEYWORDS STUDIOS

With studios around the world, Keywords Studios is a leading technical services provider for global video games and beyond. With locations in Asia, the Americas and Europe, Keywords Studios has a breadth and depth in multiple industry-leading service lines including Art, Engineering, Audio, Functionality QA, Localization, Localization QA and Player Support. Working across all major platforms, in over 50 different languages, Keywords Studios delivers support for its clients across the globe.