

A close-up photograph of a person's hand pointing at a large digital display. The display shows multiple vertical columns of colorful data points (red, green, blue, yellow) on a dark background, resembling a data visualization or a code editor. The background is slightly blurred, showing a white wall and a blue object on the left.

**CASE STUDY**

INCREASING DELIVERY CADENCE FOR A  
CRITICAL GOVERNMENT PLATFORM

## WE CAN HELP

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We make sure software is reliable, scalable and delivers the experience you and your customers expect.

# OUR SERVICES

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We're experts in delivering complex technology and specialise in two areas.



## Performance

Extensive test simulations from design to implementation.

Scalability. Capacity. Concurrency. Reliability.



## Automation

The technology and processes for fast, repeatable automated testing.

Agility. Efficiency. Orchestration. Confidence.

# WHY WORK WITH US?

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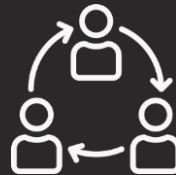
Accelerate  
delivery



Improve  
performance



Ensure  
readiness



Build  
capabilities



Reduce  
risk



Protect the  
bottom line

## INTRODUCTION

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- The way to gain the most benefit from test automation is by adopting this as early in the lifecycle as feasible.
- Our client had a clear, bold vision for their new software platform and embraced DevOps methodology from the outset making automated testing critical to their success.

## BENEFITS

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- 2-day manual regression testing is now fully automated and running automatically in the CI cycle
- Test automation pack provides increased coverage as certain scenarios could not previously be tested manually
- Developers get instant feedback on code they checked in only minutes earlier
- Cost saving of £1,000 for every daily code check-in

## CLIENT FEEDBACK

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“Spike95 were engaged as SME’s in designing and building test automation frameworks. They immediately understood our requirements and worked very effectively with our technical team in delivering the solution ahead of time often going above and beyond the original scope. The challenge was significant being over the period of Covid where all work was conducted remotely. The end product was of very high quality and we continue to work in partnership with Spike95 on both our internal projects and with our public sector clients”

**Managing Director**

## BACKGROUND

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Our client developed a new message exchange platform to replace an existing system used by HM Government

- The solution will expand to meet future demand, additional features and functionality must be implemented swiftly so it will be imperative to test these as quickly and thoroughly as possible. Manual testing will not be feasible
- This entire project was delivered remotely by the Spike95 team due to the COVID-19 lockdown



## OUR APPROACH

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Spike95 architected, developed and implemented a test automation solution for the messaging platform capable of sending SOAP web Service messages and validating responses

- Created all regression test assets from manual counterparts
- Full test suite integrated into the AWS CI Pipeline
- Test results integrated into Jira test management tool
- Solution fully documented in the clients Confluence portal
- Trained and coached all test team members on how to;
  - Execute tests manually and trigger CI builds
  - Interpret execution results
  - How to develop new test cases

# THANK YOU.

**Spike95**  
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