

CASE STUDY

A Boston-based Content Marketing Leader Improved their Deployment Success Rate through Python Selenium Automation

Location: Boston, USA
Industry: Marketing & Advertising



THE CHALLENGE

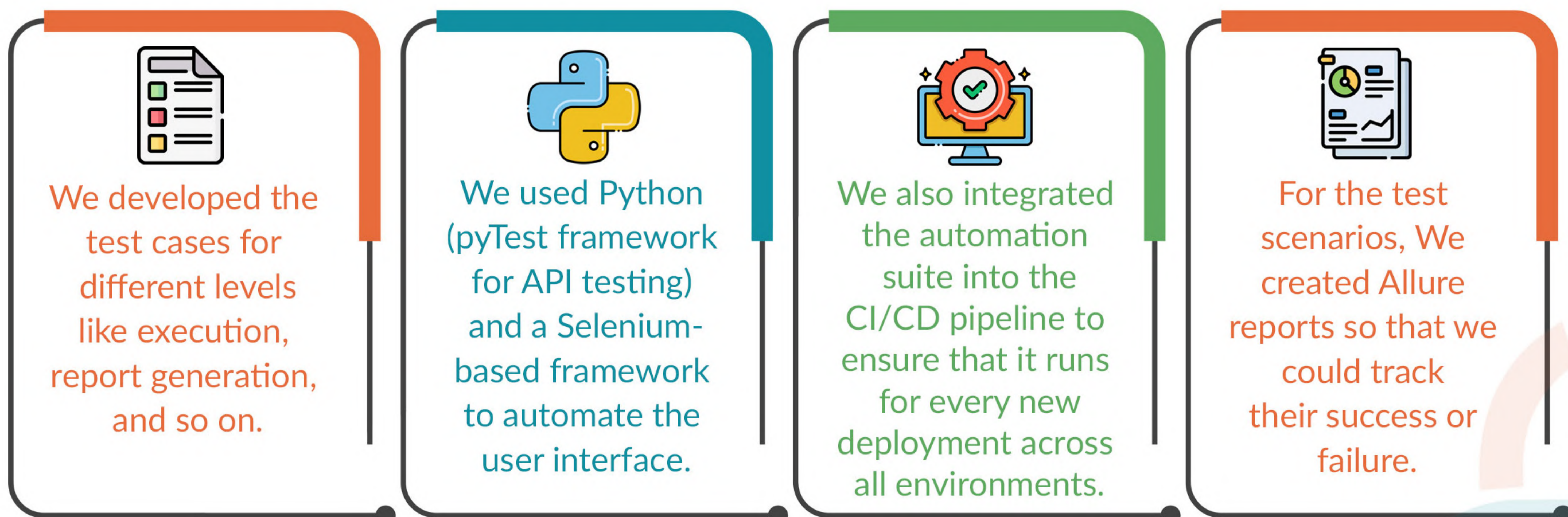
- The client is a leading content management platform that is used by hundreds of marquee customers to manage their content. But they had a monolithic application with a few microservices. That resulted in the **2 major challenges** for them:



- To mitigate this, the client had a big manual testing team and it took, even a small enhancement, days to weeks to get to prod.

THE SOLUTION

Our automation experts interacted with the client's engineering, product management, and test teams to fully comprehend the application's functional and business requirements from the perspective of the end-user and took these **key steps** to provide the solution:

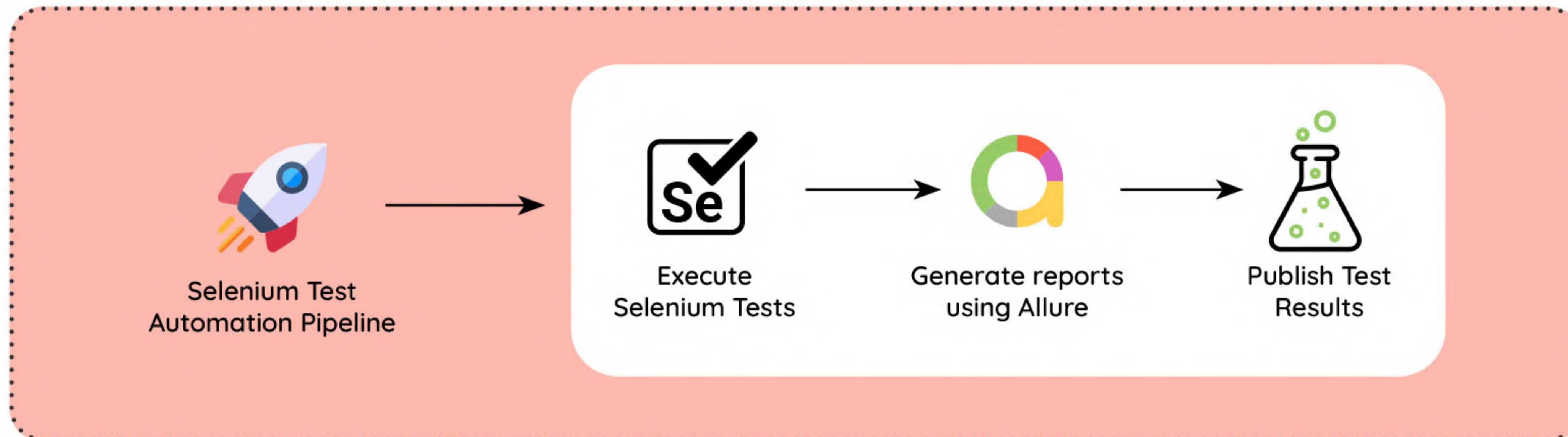


TECHNOLOGY IMPLEMENTATION

AWS, Github, Python, Selenium, Allure

KEY ASPECTS

- ▶▶ Fully-Automated
- ▶▶ Functional & API Testing
- ▶▶ Data-Driven Testing
- ▶▶ Python & Selenium based automated tests
- ▶▶ For small releases, the deployment time is decreased from days/weeks to minutes (15 mins).



SELENIUM TEST AUTOMATION PIPELINE

To achieve the required agility, we built a pipeline dedicated to running Selenium automation tests for web application testing. We utilized the allure tool (a versatile lightweight multi-language test report tool) in addition to selenium to create the test report, which can be stored and hosted on AWS S3.

AAIC DEVOPS SERVICES

THE OVERVIEW

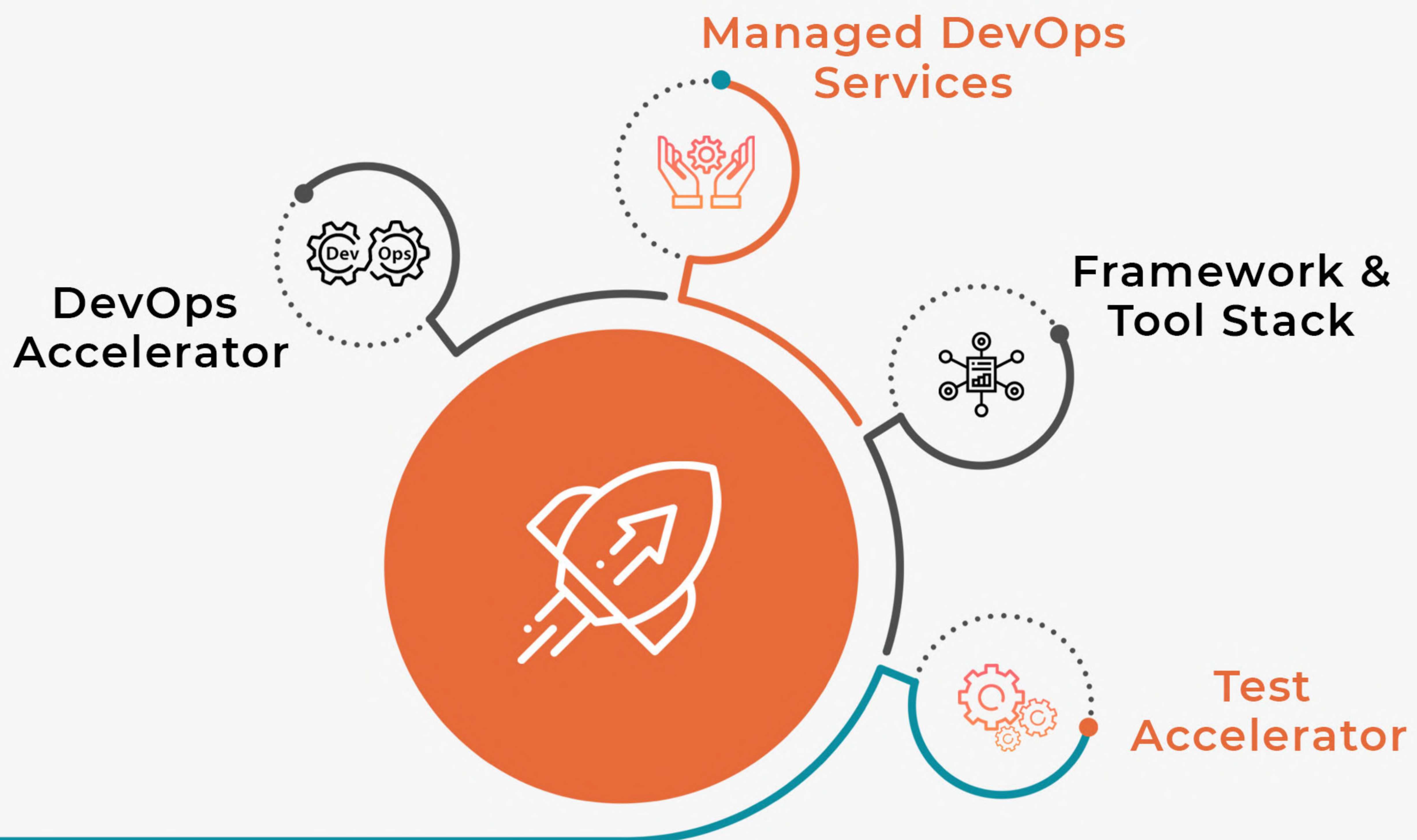
- ▶▶ AAIC has plenty of AWS migration experts.
- ▶▶ As a Cloud System Integrator (CSI) and **DevOps Service Provider**, we enable enterprises to transform securely by accelerating the migration of their application and big-data workloads to the cloud with improved governance.

THE FEATURES

We help you master performance and collaboration within your team through our specially designed **DevOps Services** which

- 01 Helps you decide the CI/CD platform based on your application suitability.
- 02 Quickly select the best suitable pipeline for your application.
- 03 Contain easy-to-use and standard templates that can be modified to suit your unique application.
- 04 Incorporates templates based on recommended architecture.
- 05 Provides templates that have been used in production for multiple customers with varying degrees of application complexity

THE DIFFERENTIATOR



**BOOK A MEETING WITH
OUR ARCHITECT**



ABOUT AAIC

We are automation experts, with a majority (> 60%) of our workforce AWS-certified. We assist you in applying intelligence to the Cloud and DevOps, as our name suggests.

Our AWS certified experts create high-performing cloud apps by utilizing intelligent components and smart integrations to accelerate your digital transformation journey.

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