



Applied AI
Intelligence Delivered



CASE STUDY

Release 46% more features with mature deployment pipelines

Location: Pune, India
Industry: Marketing



THE CHALLENGE

The client had three environments to manage: development, quality assurance, and production. Every day they were making small changes and moving them to the testing environment. It was then moved to production if everything went well. And because there was no automation in place, They were facing the following challenges:

Difficulty in doing the continuous deployment.



Deployment issues as a result of the manual process.



And because they wanted to do multiple releases every day without deployment errors. They were looking for



Automated releases with pipelines.



Multiple stages in their pipeline, including quality checks, automated tests, vulnerability checks, etc.



Parallel and Automated deployment to the whitelisted deployments.



THE SOLUTION

After having a discussion with their team and understanding the core challenges with continuous deployment, we took the following steps:

- » We assisted them in performing automated releases with pipelines that included quality, test, dependency, vulnerability, static code analysis, and deploy production stages.
- » We have provided a PR pipeline and environment-specific Deployment pipeline for 10+ microservices.

We designed it in such a way that all of their code even though it is in a single repository for different services the right service is deployed as per the code change. Along with deployment to the white-listed setups.

This type of individual service build and deployment was possible with the right design and configuration of various dependencies each service has on different code components in the repository.

Within a **1 and half month** we have provided a stable pipeline. Later on, we provided more stages in terms of

1.

STATIC CODE ANALYSIS
2.

VULNERABILITY CHECKS

KEY ASPECTS

- » FASTER TIME TO MARKET
- » AUTOMATED QUALITY CHECKS
- » SECURE DEPLOYMENT ARCHITECTURE
- » CI PIPELINE WITH STATIC CODE ANALYSIS & VULNERABILITY CHECKS



TECHNOLOGY IMPLEMENTATION

Java Springboot, Python Serverless, ReactJS, AWS Dynamo DB, AWS Step Functions, AWS Lambda Functions, RDS, Cognito, GitLab pipeline, SNS, SES, SQS, Cloudwatch

DEVOPS PIPELINE FOR FASTER RELEASES



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.

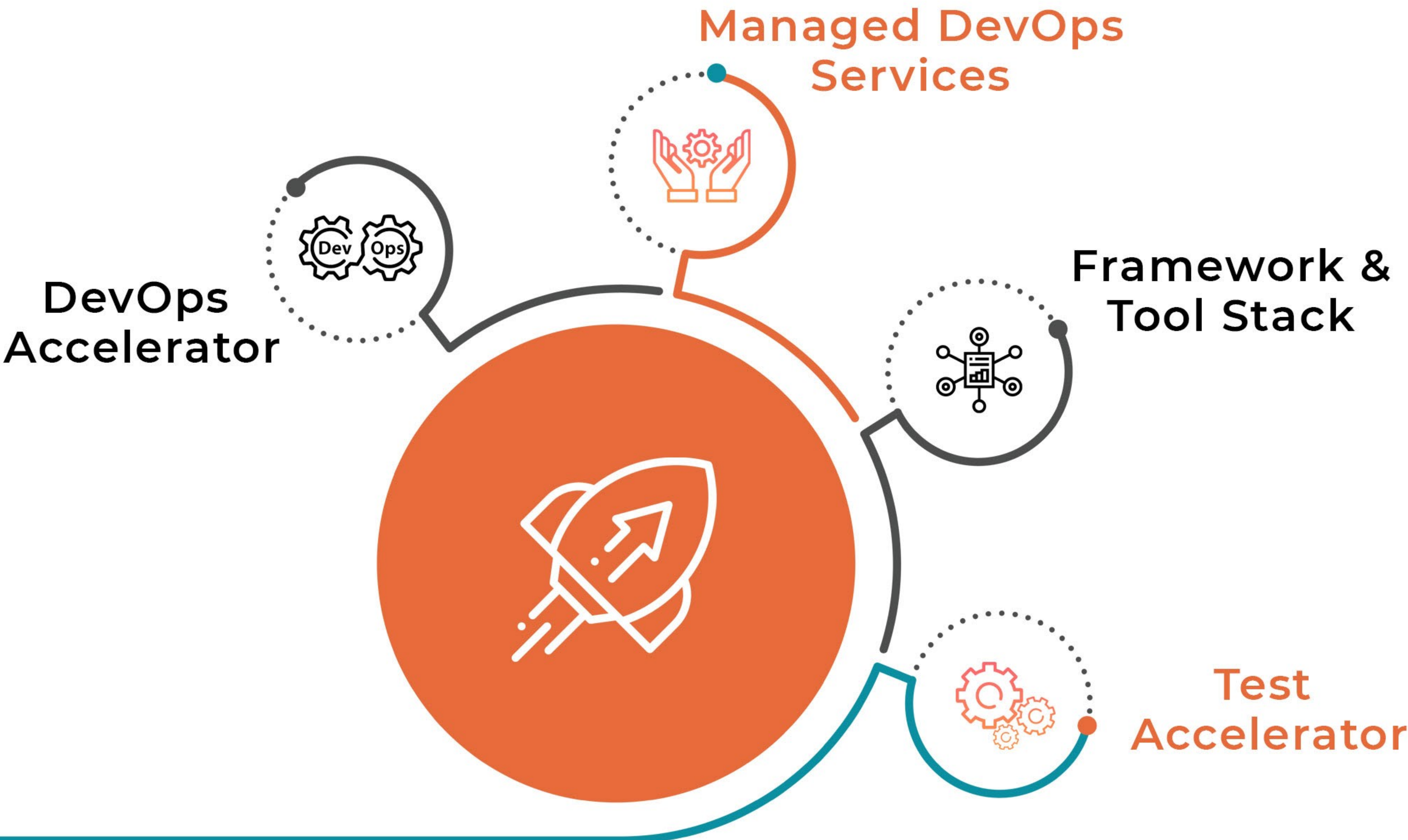
04

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.

Copyright © 2022 AppliedAIConsulting



+91-9923354746



connect@appliedaiconsulting.com



www.appliedaiconsulting.com



DevOps
In-a-box

Fastrack your DevOps
implementation



Applied AI
Intelligence Delivered