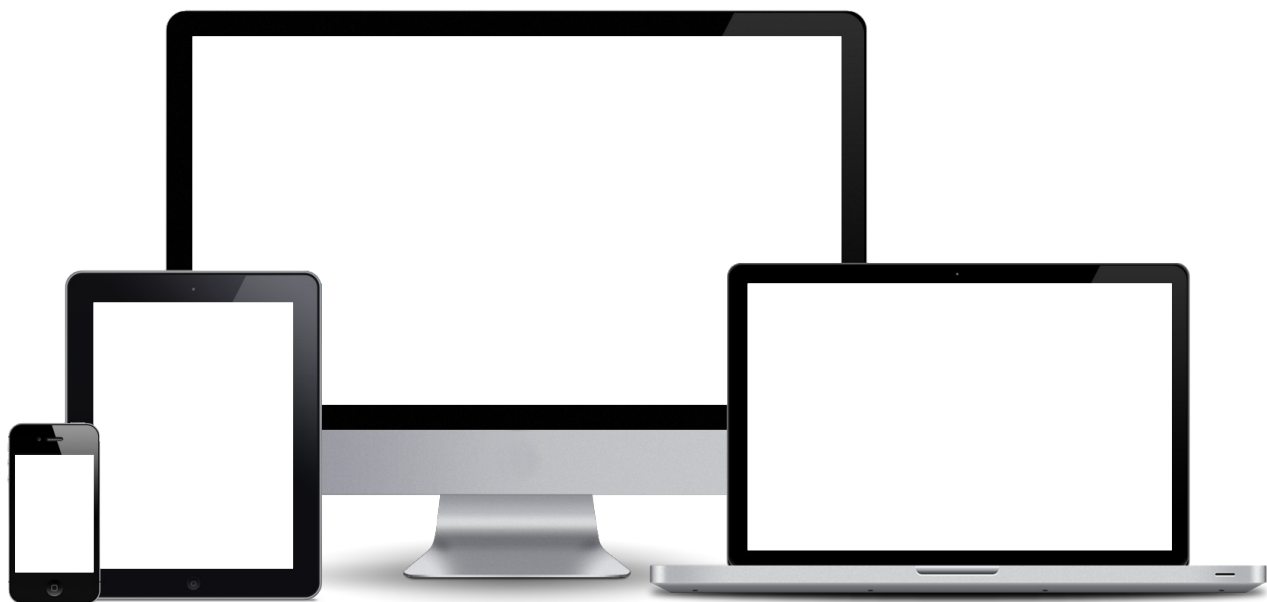




Mojosys DevOps implementation at a SME in Chennai

(DevOps using TFS - Faster - Secure - Productive)



Confidential

Industry: Services
Location: Chennai
Size: 75+ Employees

Company Bio
An astrological establishment which provides services to its members, based on the principles and norms of Vedic Astrology.

Overview

" Thanks for coming a long way to give such a wonderful session for our team. The implementation was really helpful for our developers and testers to start working on TFS more collaboratively.."

- *Happy Customer*
Head of Development

The Challenge

With growing business, the challenge of handling the regular builds and releases was unable to meet the demands. With this in mind, We proposed an Assessment based DevOps implementation with current tools.

The customer the customer was facing has been summed up as follows:

- Automating Build, Test, and Recovery
- Accepting DevOps skills needed to accelerate the releases
- Distributed Requirements

The Approach

Our first drill was to perform an assessment to know the landscape of the organization.

The customer has a complex application hosted on-premises, The build blocks of the solutions was Microsoft Technologies driven:

Technology Snapshot

Tools: Visual Studio, TFS, SQL Server
Platform: Web applications, Windows
Languages: .net, MS SQL Server

The Solution

The assessment provided us with focus areas and a challenge. We had to:

- Improve current processes using Scrum.
- Implement DevOps.
- Keep the production running while we experimented.

In DevOps terminology, we decided to focus on following:

- Scrum Implementation
- Continuous integration/continuous delivery
- Staging and production environments

Mojosys recommended using the existing TFS as the platform with Scrum as the framework.

We kicked off the activity with a week-long training on Scrum and DevOps for the teams including the Product owners and Management

For better requirements management and Project Mangement, a custom Scrum Template for TFS was implemented.TFS a centralized location to store the requirements, tasks, test cases, and bugs

We enabled parallel development with an impeccable Branching and Merging strategy.

Automated the build and release pipeline and with some custom build tasks

Scaled up the environments for Dev-Test-Stage-UAT-Prod, which increased the performance and early deduction of bugs.

Migrated the excel based test cases to TFS, Implemented CodedUI testing framework for Continous Testing and injected it during the build.

Exposure of the TFS to internet, provided value-add as Business analyst to save the user stories/ Requirement on the GO

The Results

	Before the DevOps	After DevOps
Requirements	Scattered, and Silos	Centralized Requirments in TFS in proper format
Project Management	Excel-based planning	a structured 3-week sprint with all ceremonies was implemented
Build and Release	Manual Build	Automated build and release pipeline using TFS
Test cases	Excel-based test cases	Migrated test cases to TFS, CodedUI automation test cases for Continous Testing
Reports	Adhoc reports	TFS generated Reports



About Your Company

Young technology services firm with core DNA Software Engineering
Specific areas of expertise in Software Engineering, Digital Services, Agile & DevOps
Born from an idea, now we are moving a step ahead. We are a handful of experienced techie guys growth oriented. Implementation and Solving enterprise challenges with the expertise are our Strengths. MojoSys is an IT Product, Services, and Consulting startup which is into Mobile & Cloud development, Custom Application Development, Consulting in Agile and DevOps Space. With vast experience in building enterprise applications, Partnering with companies in Agile and DevOps, delivering custom solutions rapidly available for ready to Market with utmost Quality. Mojo-Icons are well versed with J2EE, JS frameworks, .net, BigData, MONGO DB, SQL Server.

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