

# Jenkins User Success Stories

## IN THE FORTUNE 500

Electronics

Computers

Retail

Information Technology

Healthcare

Telecommunications



# JENKINS

— IS THE WAY —

# JENKINS IS THE WAY

A curated collection of Jenkins user stories from engineers and developers across the Fortune 500

## Welcome!

If you've been following JenkinsIsTheWay.io, you've read some fantastic stories from our user community about the great stuff they are building with the help of Jenkins. With over 200,000 installations to date, Jenkins remains to be the most widely used open-source automation server. And story after story, we hear what a critical role Jenkins plays in building robust, secure CI/CD pipelines.

It comes as no surprise to us that in many of the back (and remote) offices of Fortune 500 companies, developers are turning to Jenkins to help not only make their lives easier with automation but to give their engineers more time to innovate. With this in mind, this ebook is focused on the behind-the-scenes development activities underway in large-scale enterprises.

Learn how companies, like IBM, continue to innovate their software prowess while confidently relying on their custom-built CI/CD pipelines. You'll also read how Jenkins was used to provide the ultimate collaboration tool for thousands of developers from Apple as well as thousands of developers from disparate parts of Dell Technologies. It's not just big tech companies we shine the spotlight on. In this ebook, our users span multiple industries across the enterprise.

You'll read how Jenkins made it possible to standardize multidisciplinary team procedures so Roche engineers can create innovative healthcare applications with confidence. We also dive into how Telstra's software team was able to automate the build cycle – across 100,000 microservices – to accelerate the creation of world class communication tools. And how Sainsbury's development team used Jenkins as the way to "finally bring a retail giant into the 21st century."

Whether working for a large corporation like those featured here or an emerging tech startup, explore how fellow developers are using Jenkins by reading their stories. They continue to inspire us and make us proud to be part of the Jenkins community. Thank you!



*Alyssa and the Jenkins Advocacy & Outreach SIG*

Alyssa Tong,  
Jenkins events officer 2020  
and Jenkins Advocacy & Outreach SIG

# Jenkins Is The Way to produce ultra-modern and sophisticated electronic devices.

## SUMMARY

Thousands of Apple developers working collectively around the globe devised a cellular platform that made software creation quick and easy, while also automating test runs.

## CHALLENGE

The DevOps team at Apple needed a better way to cope with a high frequency of simultaneous builds which affected resources and testing.

## SOLUTION

With the help of Jenkins “awesome plugins” – Kubernetes in particular – the team ran builds in a container and in a scalable way.

*“Jenkins speeds up the process of development which makes the software run better with the hardware. It’s the secret of successful rollouts by giving us the ability to run extensive automated tests.”*

Ankit Menon  
Senior DevOps Engineer  
Apple



## RESULTS



Handles thousands of check-ins from dev which speeds up merges



Build times are much faster with the new node mechanism



Improved results at the end of every quarter with continuous automated testing

# Jenkins Is The Way to bring our community together.

## SUMMARY

The engineers at Dell Technologies turned to Jenkins to create a collaborative, shared, modern build infrastructure for developers from disparate parts of the company.

## CHALLENGE

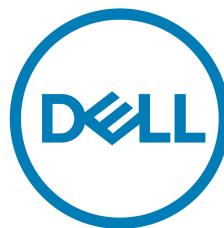
A recently merged group — one that spans multiple technology stacks, countries, and cultures — needed to undergo a DevSecOps transformation.

## SOLUTION

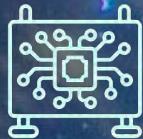
Using a Kubernetes-based Jenkins-as-code approach, the team built a stable, repeatable infrastructure that they could maintain and evolve centrally.

*"The flexibility of Jenkins as an automation tool has made it a one-stop-shop for building, deploying, monitoring, testing and even self-managing itself."*

Aidan Moriarty  
Senior Principal Engineer  
Dell Technologies



## RESULTS \*



Shared build pipelines are consistent and evolve faster

Jenkins-as-code has freed teams up to experiment more



Credential management has gotten much simpler and stricter

Teams are more self-empowered to provision and support their own builds



# Jenkins Is The Way to healthcare transformation.

## SUMMARY

Roche engineers built a platform to accelerate the design of apps that enable more informed treatment decisions and improve patient care through near real-time access to data.

## CHALLENGE

A solution was needed to help build and deploy software applications with robust infrastructure and testing automation.

## SOLUTION

Jenkins helped Roche standardize multidisciplinary team procedures and develop an application that augments relevant medical data into a 360° record to support treatment decisions.

*"Jenkins enables Roche to help physicians collect all patient data in one place so that they can make informed decisions."*

Shyam Thadichetti  
DevOps Engineer  
Roche



## RESULTS<sup>†</sup>



Customer satisfaction



More product usage



Continuous feedback

# Jenkins Is The Way to faster product release.

## SUMMARY

The developers from India's IBM Software Labs set out to lock down security in the cloud with Jenkins.

## CHALLENGE

To ensure security and compliance in the cloud, the team needed a complete CI/CD pipeline that was ultra-secure and auditable during every stage of the development process.

## SOLUTION

Using Jenkins, IBM was able to quickly build and deploy a framework from staging to production, making it simple to deploy multiple servers at a time.

*"Without Jenkins,  
it is very difficult  
to manage build  
and deployment."*

*Swaraj Dutta  
Cloud Security &  
Compliance Developer  
IBM*



## RESULTS



Deploy multiple server patches 30x faster than normal processes



Decrease build server costs with a containerized Jenkins build



Reduce release time from 7 to 4 days

# Jenkins Is The Way to finally bring a retail giant into the 21st century.

## SUMMARY

Sainsbury's, a UK-based grocery retailer, put automation first and foremost for their internal, shared services platform. They did it all with Jenkins.

## CHALLENGE

Making the move to an automation-first principle, the team at Sainsbury's wanted a pipeline that met the bespoke needs of an on-premise environment.

## SOLUTION

A consistent, flexible platform to support their on-premise environment with a number of 3rd party applications and integrated systems.

*"Jenkins provides all capabilities to integrate easily with numerous mainstream and bespoke systems."*

John Pope  
Cloud Engineer  
Sainsbury's



## RESULTS<sup>†</sup>



100% confidence in a consistent and repeatable pipeline



Easy onboarding for new applications

Faster deployment times – from 5 days to several minutes



Easy integration with bespoke systems



# Jenkins Is The Way to deliver amazing products easily.

## SUMMARY

A modern CI/CD platform supporting the creation of world-class features like Voice, Video, and a VoIP calling features for Telstra.

## CHALLENGE

Manage the build cycle of 100,000 microservices with a common UI, and provide the ability to track each microservice separately.

## SOLUTION

Jenkins made setting up Telstra's CI/CD really easy, and provided the visibility they needed to track the deployment process and keep the DevOps team in the loop.

*"All the features of Jenkins – including plugins setup, centralized UI dashboard to create and monitor jobs – makes it the Number One CI/CD tool in the industry."*

*Ashish Kumar Das  
Senior Software Specialist  
Telstra Corporation*



## RESULTS



Improved build times



High performance and delivery



Cost cutting



Automated test cases



Application build monitoring



## About Jenkins



Jenkins is the leading open source automation server supported by a large and growing community of developers, testers, designers and others interested in continuous integration, continuous delivery and modern software delivery practices. Built on the Java Virtual Machine (JVM), it provides more than 1,500 plugins that extend Jenkins to automate with practically any technology software delivery teams use. In 2019, Jenkins surpassed 200,000 known installations making it the most widely deployed automation server. For more information, visit <https://www.jenkins.io/>



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