

# Jenkins User Success Stories

Healthcare technology

Open source software

DevOps-as-a-service

IT software and development

Enterprise log management

Advanced engineering services



# JENKINS IS THE WAY

A curated collection of Jenkins user stories from developers in the Information Technology sector.

## Welcome!

Our global showcase, JenkinsIsTheWay.io, is devoted to sharing how developers and engineers build, deploy, and automate great stuff using Jenkins.

Our first ebook, published in 2020, focused on select user stories of how Jenkins users accelerate their development initiatives across industries. This ebook, our first in 2021, celebrates developers who are creating software to help fuel a variety of companies, like large enterprises needing to better manage their inventory or innovative tech firms looking to advance technologies and healthcare initiatives during a pandemic.

Profiled here are software engineers from around the globe in outfits large and small, creating custom, scalable solutions powered by Jenkins. These half-dozen stories shine a spotlight on how Jenkins users solve unique software development and DevOps challenges in the global Information Technology sector.

We realize that it's not enough to develop software that merely meets today's challenges: these innovations need to evolve to meet the hurdles we'll face tomorrow, too.

There are so many stories illustrating how Jenkins community members build next-generation software solutions that we could have published a dozen ebooks. We hope that you find some of these use cases inspiring enough to try Jenkins for yourself.

Thank you for sharing and being part of our community.

*Alyssa and the Jenkins Advocacy & Outreach SIG*



Alyssa Tong  
Jenkins Events Officer 2020  
and Advocacy & Outreach SIG

# Jenkins Is The Way to build and release faster.

## SUMMARY

Red Hat provides open source software products to enterprises. Jenkins allowed them to automate mundane tasks so developers can focus on more important things, like optimizing and innovating.

## CHALLENGE

Automatically run the software development process at a specific time while accommodating enough room for quality checks — all while avoiding having production come to a full halt while waiting for stakeholder approval.

## SOLUTION

With Jenkins' help, Red Hat was able to accelerate the delivery of higher-quality enterprise software to their customers and the open source community.

*"Jenkins  
made our  
release process  
faster  
than ever."*

Buvanesh Kumar  
Software Engineer  
Red Hat



## RESULTS



Automated error reporting and customization helped us save time with each release



Ability to focus on important things because we were able to automate the boring stuff by almost 99%



Releases are now 5x faster thanks to Jenkins

# Jenkins Is The Way to build industry-leading log management.

## SUMMARY

Graylog's log management solution fuels tens of thousands of enterprise installations worldwide. They leverage the power and flexibility of Jenkins' latest features to enhance their current DevOps environment.

## CHALLENGE

To upgrade Graylog's Jenkins installation with the latest version and enable expanded use of infrastructure-as-code; ensure quick and straightforward disaster recovery for Jenkins; provide visibility for all during the release process.

## SOLUTION

Use Jenkins to establish a flexible, modern, and more efficient DevOps platform for Graylog, a leading log management platform for the enterprise.

*"Jenkins' flexibility is its real power. When you have complex needs like we do, you need something that can handle anything you can throw at it."*

Donald Morton  
Build & Release Manager  
Graylog



## RESULTS



Maintainability of job improved through infrastructure-as-code



Observability of builds increased through Blue Ocean UI



Increased upgrades from 'never' to 'within minutes'

# Jenkins Is The Way to tackle any challenge.

## SUMMARY

ITK-Engineering is a tech company that develops tailored software programs for customers in various industries. With each project team creating its own workflows and toolchain, they build a company-wide solution.

## CHALLENGE

To enable software teams to provide high-quality software with fast delivery cycles for very complex domain-specific problems, they needed a solution that was well tested, widely used, and very flexible.

## SOLUTION

One CI to rule them all: Jenkins provided a common CI/CD platform for all different kinds of projects and technology domains.

*"I don't think  
we could have done this  
with any other  
CI/CD tool.  
Jenkins, you rock!"*

Mark Baumann  
DevOps Engineer  
ITK Engineering



## RESULTS



Increased number  
of builds for each  
project and more  
automated builds



Ability to measure  
general project  
improvements  
through metrics



Increased motivation for projects  
to improve their CI/CD pipelines,  
because it works!

# Jenkins Is The Way to experiments and eternity.

## SUMMARY

Cloudologia is a cloud consulting firm specializing in DevOps-as-a-Service. With Jenkins, they were able to boost their software development cycle by creating a unified CI/CD system.

## CHALLENGE

To ensure that the release and deployment pipelines for Jenkins would accommodate 50+ teams of developers, all accessing centralized system settings.

## SOLUTION

Cloudologia relied on Jenkins to create a centralized system for multiple development teams that is easy to deploy in numerous clouds like AWS, GCP, and Azure.

*"Jenkins  
solved all of our  
business problems  
and saved  
tons of \$\$\$."*

Eugene Starchenko  
CTO  
Cloudologia



**CLOUDOLOGIA**

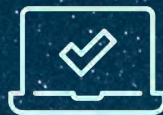
## RESULTS



Autorelease Jenkins Pipeline with a single click of a button



The system is now managed and supported by just two engineers



Shortened onboarding for deployment & build release cycles from one week to a single day

# Jenkins Is The Way to automate everything.

## SUMMARY

EHS creates technology solutions for better healthcare in Jordan. Services needed to be accelerated during the COVID pandemic.

## CHALLENGE

Automate the deployment steps to speed up methods of getting healthcare and safety information to Jordanian citizens.

## SOLUTION

Accelerating DevOps from QC, UAT, and staging with the help of Jenkins.

*"Jenkins has the ability to be integrated with the other solutions we already had and can be easily used in all automation projects."*

Yazeed AL-Smadi  
DevOps Team Lead  
Electronic Health Solutions



## RESULTS



Easy to trace existing build issues and to debug code issues



DevOps problem tickets reduced by over 90% with Jenkins



Less effort required; testing without human interaction

# Jenkins Is The Way to keep IBM always on.

## SUMMARY

IBM used Jenkins to simplify their testing, build, and deploy processes, keeping them consistent across the board.

## CHALLENGE

To simplify the build and testing pipeline for IBM software engineers and developers and help them manage many nodes on a large scale.

## SOLUTION

IBM uses Jenkins pipelines for each of their builds and relies on the flexibility and countless plugin features to continually improve their processes.

*"Jenkins is a huge part of our DevOps journey. It allows us to streamline and standardize so that we can focus elsewhere."*

Alex Rieger  
Lead Software Engineer  
IBM



## RESULTS



Consistency in the way projects are built, tested and versioned



Jenkins handles running the static code analysis, testing, and git versioning



Shortened development and improved release cycles



## Thank You To Our Sponsors



The Continuous Delivery Foundation (CDF) serves as the vendor-neutral home of many of the fastest-growing projects for continuous integration/continuous delivery (CI/CD). It fosters vendor-neutral collaboration between the industry's top developers, end-users and vendors to further CI/CD best practices and industry specifications. Its mission is to grow and sustain projects that are part of the broad and growing continuous delivery ecosystem. For more information, visit <https://cd.foundation/>



### **CloudBees.**

CloudBees, the enterprise software delivery company, provides the industry's leading DevOps technology platform. CloudBees enables developers to do what they do best: Build stuff that matters while providing peace of mind to management with powerful risk mitigation, compliance and governance tools. Used by 50% of the Fortune 100, CloudBees is helping thousands of companies harness the power of "continuous everything" while getting them on the fastest path from great ideas, to great software, to amazing customer experiences, to being a business that changes lives. For more information, visit [www.cloudbees.com](http://www.cloudbees.com)



### **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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Visit [www.JenkinsIsTheWay.io](http://www.JenkinsIsTheWay.io)