

BharatPe Success Story

The Challenges

Script-heavy Jenkins CI/CD pipelines

Jenkins CICD Pipeline was error-prone and would break every time they scaled.

Containerization at Scale and ensuring HA

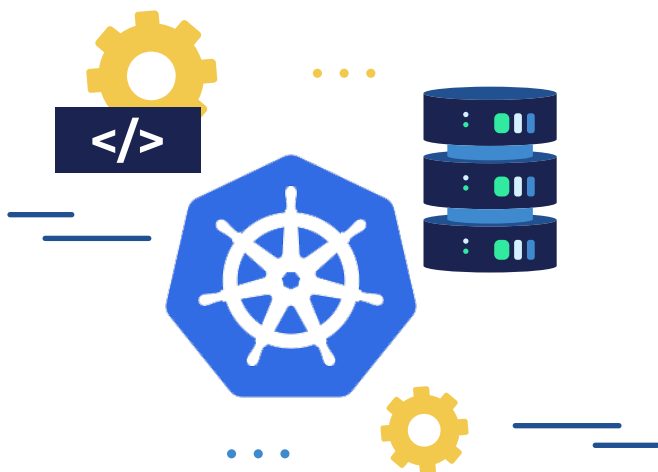
Containerize existing infrastructure and deploy them onto AWS EKS without impacting availability.

Longer Learning Curve

Learning new tools and techniques caused delays in GTM

Ensuring uniformity and Security best practices across Clusters

Self Managed clusters were showing signs of snowflaking and needed a permanent fix for the future.



Who is BharatPe?

BharatPe is a revolutionary fin-tech last-mile retail transaction enabler specializing in QR code payments. They offer a unique QR accessible from any QR-based payment interface. With Zero charges on transactions and an intuitive application to manage sales, they have been instrumental in establishing payment interfaces for small and medium-scale enterprises across the country.

What was their goal?

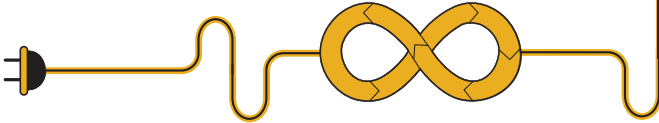
BharatPe was growing exponentially, and the growth resulted in increased traffic. High Availability became a looming concern for the current infrastructure. As a fin-tech company, they were building their platform with zero tolerance for security risks and, at the same time, wanted to bring in faster product updates. Focusing on one would mean compromising the other. BharatPe was not ready to compromise on either.

They needed a secure and flexible DevOps ecosystem where they could containerize with ease and deploy into AWS EKS at scale. They wanted to deliver a seamless transaction experience to each customer at anytime. They envisaged a system they could scale to meet over 400 million monthly transactions.



Why Devtron

BharatPe had reservations about using open-source platforms as they generally lack good documentation and need extra overhead costs and training to manage its lifecycle. Additionally, the project's future support and development remain uncertain. But Devtron was unlike any other open-source platform they had encountered.



Devtron's active community, product updates, tight integration with AWS EKS, and rich documentation convinced them to lock Devtron as their DevOps in a box platform to manage the applications' lifecycle. AWS EKS provided the right platform for scalability and agility. Devtron removed the complexity of interfacing with AWS EKS, enabling their developers to focus on their core competency, i.e., deliver brilliant product updates. Devtron helps application teams achieve AWS EKS operations maturity on Day 1.

How did we do it?

4

Stages



Migrate existing apps to Devtron



Enforced Security best practices



Set up Templates for easy cloning of workflows.



Containerize and Deploy into AWS EKS (Kubernetes)

Benefits

BharatPe is one of our marquee customers who have adopted Devtron for their SDLC. Devtron looks after its delivery lifecycle and ensures HA.

Achieved AWS EKS maturity in a record time of 3 weeks

Ability to scale and deploy on-demand.

Enabled Faster triage with a developer-friendly dashboard

Ravi Kumar

DevOps Lead, BharatPe

Devtron helped us adopt Kubernetes (AWS EKS) quickly, and with the platform, the development teams have become self-sufficient, increasing the DevOps team's productivity. We can now contribute more to other aspects of our role.

- ✓ No Kubernetes to AWS EKS on production
12X* faster maturity (3 weeks)
- ✓ Product release velocity
On-demand with at least one deployment a day
- ✓ Lead time for changes
From Days to 90 minutes
- ✓ Mean time to recovery
From days to less than an hour

*As compared to not using Devtron