DevOps

# The Journey of DevOps

* In **1915, Henry Ford** decided sort the issue of taking engineer to the customer and building the machine (Car) there by bringing in **Assembly Line**
* Assembly Line made it easy to build quality cars but due to mass production it caused lots of waste
* Between **1948 – 1975** came the evolution of **Toyota Production System** which worked on relentlessly working on removing waste from manufacturing process
* In **1984**, **Goldratt** produced **Theory of Constraint**
* In **1990, James P Womack** brought in **Lean Production (LEAN IT)**
* In **2001**, we got the **Agile Manifesto** which brought in DEV and QA together with iterative incremental philosophy (Do testing while you Develop)
* Due to Agile the Software Development Process took a giant leap in the right direction which lead to small releases in every two weeks.
* On the other hand the Operations Team was still deploying the software on the production servers with those traditional approaches thus this lead to Wall of Friction between the DEV and Operations Team
* In **2008**, **Patrick Debois** presented a paper **“How infra-gile are you?”** at the Agile Conference
* **Andrew Clay Shafer** and **Patrick Debois** together created **Agile System Administrator Group**
* In **2009** at Velocity Conference, **John Allspaw** talked about they could achieve **10+ Deploys a Day** at FLIKR with DEV and OPERATIONS team cooperation
* Talked about building Tools and Culture to bridge the gap between the two
* **Patrick Debois** organized an event called **DEVOPSDAYS** in **2009** where the conversation started
* The conversation remained on Twitter and other platform with **#devops** and that is where the term is coined.

# What is DevOps?

It is a cultural movement which offers a path to minimize the risk while still achieving rapid change. This is achieved by principles, practices and tools.

## Principles