The History of DevOps

Robert Dylan Bean

Bellevue University

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Professor John Woods

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**Introduction**

DevOps grew out of earlier methods that aimed to make software development faster and more efficient. Its roots lie in three key areas: the Lean Movement, the Agile Manifesto, and the Continuous Delivery Movement. Understanding how each movement contributed to the rise of DevOps as a vital methodology.

**The Lean Movement**

Lean thinking started long ago in manufacturing. Henry Ford’s flow production and Kiichiro Toyoda’s improvements led to the Toyota Production System, which focused on reducing waste and continuously improving processes. These ideas laid the groundwork for later methods in software development.

**The Agile Manifesto**

In the 1990s, software development was too slow for the fast-changing market. In 2001, a group of developers created the Agile Manifesto to speed up the process. They emphasized working software, teamwork, customer feedback, and being flexible to change. This new way of working set the stage for DevOps by promoting quick, iterative progress.

**The Continuous Delivery Movement**

As Agile became popular, the need for even faster delivery grew. In 2010, Jez Humble and David Farley wrote *Continuous Delivery*, which explained how to automate the build, testing, and deployment of software. This approach made it possible to release updates in hours or minutes, further speeding up the process and reducing errors.

**The Rise of DevOps**

DevOps began around 2007 when experts like Patrick Debois saw that separating development and operations were slowing things down. By bringing these teams together and using automation, DevOps helped speed up software delivery while improving quality. It built on the ideas of Lean, Agile, and Continuous Delivery to create a smoother, more collaborative process.

**Conclusion**

DevOps is built on the ideas of continuous improvement from Lean, the quick and flexible approach of Agile, and the automation of Continuous Delivery. Together, these methods have helped make software development faster and more efficient.

**References**

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