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# Module 1.3 Assignment: History of DevOps

According to Atlassian.com, the need to improve the efficiency of conventional software development methods led to the start of the DevOps movement (Atlassian, n.d.). DevOps represents the collaboration of development and operations, coming together to create a more unified, fluid process for software development and IT operations. The Lean Movement, The Agile Manifesto, and The Continuous Delivery Movement are three principles that helped influence DevOps today.

The Lean Movement is a method that focuses on eliminating waste, improving workflow, and fostering continuous improvement. They were then modified for software development to guarantee seamless delivery by increasing process visibility and reducing slowdowns (Atlassian, n.d.). Lean's focus on systems thinking and small batch processing paved the way for DevOps by promoting improved teamwork and cutting down on delays between software development and operations phases (Atlassian, n.d.).

The Agile Manifesto was introduced as a response to the shortcomings of rigid development models like Waterfall (Atlassian, n.d.). This response influences DevOps today by introducing flexible methodologies, improving collaboration between the two parts of DevOps (Kirvan & Pratt, 2023). Agile also encourages sharing responsibilities, which DevOps also pushes to do.

Lastly, “The Continuous Delivery Movement”, came from the need to ensure that software was released consistently each time (Deploy, n.d.). The Continuous Delivery movement places a strong emphasis on automation, which makes deployment procedures quick and error-free. This helped to ensure code was constantly deployable, helping to decrease the conflict between the development and operations teams.

As you can see, DevOps takes principles and ideas from The Lean Movement, The Agile Manifesto, and The Continuous Delivery Movement to create a continuous process from software development to deployment and maintenance (Deploy, n.d.). It emphasizes collaboration, automation, and continuous improvement. Organizations benefit from faster time-to-market, improved product quality, and better alignment between teams. DevOps gives companies the ability to respond to market changes quickly and efficiently.

# References:

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