Kody Pope

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Assignment 1.3

The History of DevOps

According to (Agarwal), the history of DevOps is that after agile was introduced, waterfall was the only way to develop technologies, which is the approach of establishing a product, which means building that product and playing that product. Agile fixed the issue of making necessary changes on the go rather than spending all this time and money building a product that probably nobody wanted or needed. We can now adapt to changes more quickly on the fly as we deploy; however, just because we were able to do so, we still need to fix the overall problem within the company. Andrew Clay and Patrick Debois, back in 2008, were concerned that Agile would still have some drawbacks and wanted to find a better way. DevOps is a way to change the way a company thinks. We work closely together as a team. DevOps aims to take agile practices and add new practices that eliminate worker fatigue and burnout, which we can do by sorting larger tasks into smaller, more manageable ones.

The Lean Movement

According to (Blank), the lean movements came about the change that text startups fail often. The paper states that Harvard research shows that 75% of all tech startups fail. To eliminate future failures for future tech startups, hopefully, we can use the lean movement or the lean method, which, in this case, is rather than building a product or service that someone thinks will solve everyone’s problems, instead, we take customer feedback and create a product that the customer would want and will use. The article also shows that the lean method eliminates the stealth method. This is when a product is beta tested on a very closed, tight group of people to represent most of its customers. Instead, we now understand that having as much customer feedback from as many different customers as possible ultimately leads to a better outcome for the startup.

The Agile Manifesto

According to (“What Is the Agile Manifesto? | Wrike Agile Guide”), seventeen representatives gathered at a ski resort in Utah in 2001; the goal here was to find a way to make agile work better, going back to the point that DevOps aims to fix one big issue with agile. Agile can be better for developing a large-scale product that can be changed, unlike waterfall; however, in agile, the idea is that the developer develops what the product owner wants. DevOps helps show that changes must be made to suit the product and the customer better. The manifesto aims to make these changes by addressing four key components: individual interactions are better than processes and tools, meaning the product owner should see value in their workforce, not in their idea of a good product. Two, working software over comprehensive documentation meetings, we don’t need to have all this vast documentation that would take hours to read when it could be simplified with code that can perform these tasks. Number three, customer collaboration over contract negotiation, again goes back to the idea that the product owner should value the customer feedback and their idea of what the product should be. Number four is responding to change over following a plan, meaning following the plan will lead to failure. Then, they should adapt and listen to the customers. If the company or product needs to veer in a whole other direction, it should do so.

The Continuous Delivery Movement

According to (“What Is Continuous Delivery?”), continuous delivery is the idea that we are not pushing significant, considerable updates to customers over long periods, meaning they’re not getting one big update and then waiting months or even years for another update, and then that update be another big update that could have all kinds of bugs in it, but instead, we are making tiny little changes that do not significantly change the overall product, but is big enough that customers notice, and that also helps fix bugs or issues the customers had that lead to a better overall experience. Plus this does mean we are staying competitive as we are showing our customers that we are constantly making changes and are making changes for the better.

Works Cited

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