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1.12.2025

CSD 380

Assignment 1.3

The History of DevOps

After establishing an understanding of current software and product development processes from this cohort and in my personal careers it’s odd to comprehend how products were developed. Before DevOps (“development” and “operations”), processes were linear and in software development the Waterfall method was the model of choice. As we uncovered in the last assignment DevOps “movement” is derived from the successes of manufacturing development and management philosophies and integrated into IT operations. An example of one of those adopoted philosphies is he Lean Movement.

The Lean Movement, courtest of the Toyota production system, revolutionized the product development process by recognizing a relationship between manufacturing lead times (shorter being better) and reception of completion of quality of goods by consumers and positive performance by employees; recognizing this it was determined the work (requested and to be worked on to be completed) should be shorter and manageable. This concept of quicker quality deliverables was revolutionary and relatable to the topic of Agile.

The birth of Agile – originating more formally from 2001 with a product development experts and The Agile Manifesto – has been integrated and adopted in some form in many development teams to this day. The Agile Manifesto intended to create values and principles one of which pushed for more frequenet software deliveries or incremental releases. The Continuous Delivery Movement is a prime example of a practice adhering the the frequen and incremental releases. In order to achieve this, it’s established that for software, it should always be in a deployable state ready for continous deployment.

DevOps has done well to creating quality products meeting customer expectations. But, I believe the greatest benefit it has offered is creating an environment for individual contributors to comfortably work and provide deliverables.

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