

# Lean - Journey

## ***The DevOps Evolution Continues Strong***

- *DevOps shifting left*
- *Security is integral; welcome to DevSecOps*
- *Cloud models such as PaaS, IaaS require intelligent automation*
- *Pressure continues to force old IT operating models to change*
- *Artificial Intelligence and Machine Learning are adding value*
- *New models such as DataOps and ModelOps are showing up*
- *Value Stream Management keeps rising in importance*
- *SRE continues its adoption journey*

*We know that **lean and agile practices** are further amplified through similar efforts that achieve faster feedback loops and faster learning. The leverage of the kaizen bursts of lean and the retrospectives of scrum enables DevOps teams with continuous learning and continuous improvement within the organization. The adoption of a mix of frameworks and best practice models such as Agile, DevOps, ITIL or Lean continues. DevOps is augmented with additional best practices and frameworks such as Site Reliability Engineering (SRE), Value Stream Management (VSM), DevSecOps, DataOps and ModelOps. This specialization will continue to create new specialized areas of best practices to address ongoing challenges and technology innovations.*

***Value Stream Management** keeps rising in importance. While the software is a key part of every organization's interactions inside and outside, today's leadership teams across the business and IT must ensure that value is delivered from the software and the development process. DevOps and Agile practices have been adopted to innovate and create more iterative approaches for software development and delivery. However, the value must come through the customer lens. This is where VSM comes in. In simple terms, understanding and examining value streams of software being delivered end-to-end enables teams to make complex processes visible and provides the ability to pivot towards further value improvement. VSM skills are seen by 39% as a must-have skill within the process and framework skill domain from our survey data.*