

DevOps Is Evolving – What Changes Can Your Business Expect?

The modern workplace is more of an in-house workstation. Will DevOps manage to scale communication barriers, or is it destined to lose relevance with time? Find out from our afterthoughts.

April 23, 2021 (FPRC) -- While DevOps has gained its prominence as a Software Development Methodology, we believe it is more of a core IT exercise. Well in, its second decade, the actual focus for it was about seamless product delivery. As Agile charmed its way into the market, the demand for a transparent development environment became predominant.

With time and a pandemic traversing global business scenario, the focus for integrating DevOps has evolved - from eliminating siloed structures and teams within teams for hastening smooth deployment to resolving constraints between businesses and their customers for driving value. Enterprises have realized the value of automation and looking forward to taking the plunge from automated software development to zero-touch automation technologies – exactly what the DevOps environment provides.

Global Market Insights' recent Growth Forecast for the DevOps Market Size predicts a sizeable growth from USD 4 billion in 2019 to a stark 20% plus growth until 2026. The report also attributes this growth prospect to rapid demand for automation and testing tools due to CI/CD (Continuous Integration/ Continuous Deployment) practices in the near future.

Software DevOps to Enterprise DevOps – The Grand Shift

Software DevOps had blessed the development process with the much-required agility when it was introduced with production as the main focus and practices like operation monitoring, release planning in phases, testing, and verification. Enterprise DevOps has its arrow aimed at strategic cultural and behavioral changes within the organization.

As a change master, we began our transition to Enterprise DevOps with modernizing legacy processes and assessed metrics like time, amount of manual effort used, levels of automation required, and effort required to streamline processes across the enterprise.

Apart from integrating DevOps in our own business process, we have been observing its growth pattern intently. As per our research, the following trends will be witnessed with rapid DevOps integrations across business verticals and niches:

1. **Hybrid Teams for Customer Value Delivery:** With the rise of remote teams mounts the pressure of selling products and services virtually. Cross-functional and multidisciplinary teams with a slew of business knowledge, process plus automation skills, along their core competencies will be the new hiring metrics to deliver value to customers.
2. **Corporate Cultures Enabling Systems Thinking:** Singularly, digital transformation efforts have so far yielded local optimizations. To deliver systemic business outcomes, the CIOs will be gravitating towards systems thinking to identify the true value of their investments and how to scale time-tested concepts across every layer of the business process.

3. DevSecOps Methodologies to Gain Prominence: As more enterprises adopt cloud-native technologies, there is a palpable need to upscale DevOps Security practices. CISOs and enterprise security teams will be more consumed with embedded tools and processes for cloud security.
4. Adoption of Application Security Processes: With rapid DevOps integration, lengthy security testing cycles will give way to after-the-fact software security models. The application teams are predicted to take over security measures more intensely through process optimizations.
5. Threat Modelling Through Modern Security Cultures: With so much happening on the cloud front, security management is emerging as a cement for long-standing partnerships. The security culture is rapidly evolving for enterprises, and developers will base solutions on solid threat models.
6. Predictive DevOps for Business Value: The delivery chains are increasingly focusing on and building value-based partnerships, thanks to AI boost. The dev and ops teams are soon to lose their relevance as individual units because of the rise of BizDevOps. Enterprises will prioritize partnering with a team that delivers digital solutions and are not mere digital consumers.
7. AIOps integration with DevOps to eliminate most human processes: The AI-powered IT solutions will form robust, automated, and seamless operational feedbacks and automated bug fixes. From dealing with multi-cloud complexities to operational data consolidation and root cause analysis – AIOps will result in automating app operations.
8. A Role Optimization for Developers: The technical directions for enterprises are more likely to be passed on to developers in the near future. Cloud-based environments are more likely to move beyond the top-down approach, and the Dev teams will gradually have a bigger say on the technical directions and data strategy developments.

The future of enterprises embracing DevOps lies in the way they accept they break down siloes and embrace the organic cultural shift. The role of traditional IT departments is rapidly changing with shared resources and multifaceted talents in the pool. The future may see gradual elimination of certain roles altogether, while some relevant roles will surely go through a shapeshift with re-defined responsibilities.

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