Salesforce DevOps Trends 2021

The Premise

Salesforce app improvement is distinct from the rest of the software world. Salesforce applications are connected firmly to the Salesforce platform. Salesforce app developers concentrate on the modifications within the confines of the ecosystem.

While some are content to adhere to the tried and tested, other developers push the limits and look to embrace the best development practices from the world of software development. They find themselves at an exciting junction called Salesforce DevOps, or DevOps for Salesforce.

When we talk about Salesforce here, we point to the Salesforce ecosystem, not the organization. There is a vast ecosystem of developers and vendors in the Salesforce ecosystem. While they build Salesforce applications, these applications are fundamentally enterprise applications that happen to work within the confines of Salesforce. These applications often blend with a host of other enterprise applications, which is not within the Salesforce ecosystem.

The rise of Salesforce has given us a platform that lives up to the expectation of growing customer relationships. We no longer need to work with on-premise ERP software that includes owning internal servers and substantial initial investments. Instead, we have a cloud-based and SaaS-based platform that develops with our business demands.

Salesforce DevOps - What is it?

Salesforce DevOps is a movement to inject DevOps' more comprehensive systems when building applications in the Salesforce ecosystem. It covers strategies like continuous integration and continuous delivery.

It means using a shift-left strategy, highlighting the initial part of the development pipeline. It requires using version control to build, store, and push code into product ecosystems. It understands the requirement for test automation and takes a declarative path to software deployment.

Automation is a crucial aspect of DevOps. While Salesforce development has replaced the waterfall model, Salesforce DevOps demands automation of every level of the method — builds, tests, and deployments.

DevOps for Salesforce application improvement is a need for efficient collaboration and communication. It changes the way teams work by facilitating a cultural transformation and improving the business's capability to produce applications faster.

DevOps for Salesforce development also help the development team deliver the most advanced features and improvements for their users, which works to gather customer feedback and improve the application.

Developers often grapple with continuous delivery performance, testing setbacks during the improvement process. Security and development teams must collude to keep the agile development life cycle working without decreasing security with every update to deal with this.

More and more organizations execute the DevOps methodology in their business workflow as they have understood its core. The rest are on the brink of converting into DevOps-driven.

Here are the latest Salesforce DevOps trends that will expedite the speed of innovation, digitization, and disruption in 2021:

Predictive Analytics

DevOps teams need to turn their time and energies towards business instead of controlling the infrastructure. Predictive analytics in Salesforce DevOps can enhance the application delivery abilities like quality, safety, and execution to improve productivity and customer satisfaction.

AIOps techniques will grow more effective in producing constant value improvements for the businesses, and predictive DevOps will provide business utility in 2021. BizDevOps enables business leaders to include in the DevOps lifecycle to create a streamlined workflow for strategy, deployment, and support.

AgileOps

AgileOps encapsulates a bunch of proven Agile and DevOps practices that I&O profoundly practices enhancing agility. I&O teams should concentrate on DevOps, Agile methods, scrum, lean methods, and constant improvement to encourage the development and improve product management systems. AgileOps methods are used to handle software development. In 2021, AgileOps will be in enormous demand due to speed while answering the user demands in real-time.

Infrastructure as Code

IaC is more than automation and has become imperative in Salesforce DevOps. IaC takes infrastructure, including servers, networks, storage devices, and it is a system to handle IT infrastructure through configuration records. It enables full speed while setting up a comprehensive infrastructure by operating a script, consistently deploying identical configurations, liability, and high performance during the complete software development cycle.

DevSecOps

Business leaders will adopt the DevSecOps model to bring the "security first" way to the DevOps method. DevSecOps combines security and compliance testing into the development pipelines. It produces swiftness in acceleration and quickness in security mechanisms, incites responses towards development, leads to the fast discovery of vulnerabilities and bugs in code.

Business leaders will concentrate on security in 2021 as progressive organizations are frequently utilizing Kubernetes, serverless, and cloud-native technologies.

Kubernetes

With Kubernetes, the developers can effortlessly share various applications with the IT operations team in real-time. The leading cause for bugs and errors is the contrast in the IT ecosystem or infrastructure. Kubernetes helps in fighting that barrier and encourages collaboration and effectiveness between both teams. Performance gets increased by opting for the Kubernetes workflow. It provides ease to the build, test, and deploy pipelines in Salesforce DevOps.

Serverless Architecture

Agile DevOps team helps companies when they are on the brink of moving from conventional IT structure to Serverless Architecture. Particularly in the beginning stages when IT support is of utmost need. After the migration is complete to the serverless platform, the DevOps team is left with minimum support work. DevOps is the only profitable method to execute the migration process.

Why CriticalRiver?

DevOps is undoubtedly the tomorrow of the entire IT industry. CriticalRiver offers powerful and practical DevOps solutions.

CriticalRiver provides you with next-gen DevOps services that connect the gap between your development and operations to propel your business growth.

Work smarter, collaborate faster, and achieve better with CriticalRiver's DevOps consulting services. Fast-track your product's delivery with CI, CD, Continuous Deployment, and Data Intelligence with end-to-end automation.

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We implement and offer consulting services for CRM, Supply Chain, and Integration Solutions by leveraging our skills and capabilities in cutting-edge technologies. We help enterprises simplify, automate, improve, and enhance operations and processes to scale and grow.

We are also technology partners for Salesforce, Oracle, NetSuite for consulting, implementations, managed, and advisory services. Our highly experienced consultants are experts at understanding customers' needs and delivering strategic solutions that leverage the latest technologies and industry best practices.