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DEVOPS SPECIAL

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20 Most Promising DevOps Solution Providers - 2017

Enterprise software today is at the helm of the modern business world. In this scenario, the ability to develop quality software quickly is the real differentiator for an enterprise. DevOps excels as an arsenal for enterprises to outdo their competitors by capitalizing on the market opportunities through effective software delivery. As DevOps brings synergy, by breaking the silos between development and operations teams, software development issues are resolved in a time efficient manner.

As the saying goes, "DevOps is a culture" and enterprises are trying hard to embrace this new culture as they strive to deliver seamless digital experience to their customers. Few concerns, however, still plague the adoption of a comprehensive DevOps strategy. Lack of experience perturbs organizations the most.

Having DevOps as an approach encompassing holistic practices related to code and software architecture development,

vendors have developed unique methodologies to derive greater insights. These insights are driving enterprises to introduce inventive practices such as enabling microservices within containers and building a modular architecture that supports the momentum of code development and subsequent product release. DevOps solution providers are also efficaciously tackling associated security risks and cumbersomeness of post-release bug fixing.

The DevOps landscape is witnessing consistent influx of myriad solutions and choosing the most suitable out of these remains a tough task for a CIO. In the last few months, a distinguished selection panel, comprising CEOs, CIOs, VCs, industry analysts and the editorial board of CIOReview has reviewed the top companies among the DevOps solution providers, and shortlisted the ones who have exhibited expertise in solving the impediments in software development.

We present to you CIOReview's 20 Most Promising DevOps Solution Providers 2017.

Company:

Microland

Description:

Delivers full-scale hybrid DevOps services that ensure faster time-to-market and reduced errors in software delivery

Key Person:

Jan Huizeling
CTO

Website:

microland.com



Microland Holistic DevOps Services for All IT Environments

In today's competitive business world, most organizations prefer to have an agile IT that propels them to capitalize on market opportunities. DevOps has emerged as the silver bullet that companies can leverage to improve the time efficiency in software delivery. Unlike traditional application development paradigms, DevOps fosters greater collaboration between development and operations teams to reduce the risks involved in software delivery lifecycle, while making the entire process—30 times faster. Though many companies intend to employ DevOps on their cloud, a sizeable number of businesses plan to implement it in their existing on-premise or monolithic IT infrastructure. In this growing trend of hybrid IT implementations, Microland is bringing its comprehensive portfolio of DevOps services helping clients to achieve competitive advantage by developing and deploying software, with maximum efficiency and minimal interruptions.

"We work extensively with organizations that want to go down the path of digital innovation through cloud and automation, as well as those that prefer to hold on to their on-premise systems and traditional development methodology," explains Jan Huizeling, CTO at Microland.

To this end, the company's DevOps services are delivered in three key stages catering to the unique requirements of the clients, regardless of their underlying IT infrastructure. In the initial 'Discover' phase, Microland engages with clients to establish elemental blocks that would define their DevOps environment. This is followed by the 'Transform' stage, where the company works in collaboration with the customer to mold traditional communication workflows, culture orientations, toolchains, and the quintessential DevOps roadmap of the organization.

Finally, the 'Operate' phase helps in the efficient management of clients' DevOps environment. The holistic purview of DevOps management involves services such as source code management, build, release, deployment management, cloud orchestration, configuration management, automated testing, and monitoring.

Microland, with its universal DevOps orchestrator engine, smartDevOps, integrates and automates popular DevOps tool chains that work across multiple layers to automate workflow and configuration. Besides, "smartDevOps can be utilized to control and coordinate the entire DevOps lifecycle, and

can be integrated with a wide variety of third party and open source tools," says Huizeling. smartDevOps' abstraction layer, set above the engine and its clockwork, provides an easy intersection for tool collaboration, where Microland suggests tools to select while it allows clients to use their in-house tools for DevOps implementation.

These capabilities proved fruitful for a large U.S. bank that had grown through acquisitions, and consequently, had an aggregation of disparate systems at their hands. A rather exhaustive result of this was the lengthy and tedious release lifecycle that the organization had to go through. Working with the client to standardize their toolset using smartDevOps, Microland optimized their payments module, and automated a significant portion of it despite the bank using on-premise systems. With this power of automation, and compression of their release lifecycle, the bank was able to achieve a Continuous Integration and Continuous Delivery DevOps model, going from monthly releases to week-based cycles.

“smartDevOps can be utilized to control and coordinate the entire DevOps lifecycle, and can be integrated with a wide variety of third party and open source tools”

Further, the process and role-oriented nature of smartDevOps assists in assigning roles to each element in the DevOps chain. As a result, personnel in the chain can approach the DevOps lifecycle from their unique specialization standpoints. Besides a decrease in development and operations costs, Microland's smartDevOps helps clients with:

- Shorter Development Cycles
- Faster Release Velocities
- Increased Defect Detections
- Reduced Deployment Failures

Microland has a strong 25-year-old partnership with Microsoft. "We have an impressive track record in multiple industries in the U.S., U.K., India, and now Australia," states Huizeling. "We see IT transformation across all the industries, and are excited about helping them to smoothen their DevOps journey with our innovative services approach." 



Jan Huizeling