opentext™

Shift left, automate right

5 ways platform engineering makes the DevSecOps dream work

Contents

Left is where prevention begins. Right is where acceleration lives.

Platform engineering is the foundation of modern DevSecOps. It builds the standardized and scalable self-service infrastructure, automation pipelines, and security integrations that enable teams to deliver software faster, more safely, and with less friction. Think of it as the middleware between DevOps culture and high-performance development teams.

By standardizing environments and automating repetitive tasks, platform engineering removes roadblocks, allowing developers to focus on coding without worrying about infrastructure headaches—meanwhile security is seamlessly baked into the process. This means fewer vulnerabilities, faster deployments, and a more efficient DevSecOps workflow.

Platform engineering is the backbone of DevSecOps, it’s the thing that turns chaos into smooth operations. If you like speed, efficiency, and security (and who doesn’t?), this is for you. Let’s explore how platform engineering makes DevSecOps less painful.

1. Happy developers

Burnout is real and cognitive shifting is a productivity killer. Platform engineering streamlines the development process by standardizing environments, automating workflows, and embedding security, freeing teams to focus on building high-quality software faster, with less friction and more innovation.

Less hassle, more coding: Platform engineering slashes the cognitive load by standardizing environments and abstracting away infrastructure headaches. Developers focus on writing code, not configuring systems. More time coding = faster results.

Self-service for the win: With self-service portals, developers provision infrastructure, deploy apps, and access resources—no waiting, no bottlenecks. Automated workflows make everything faster and smoother.

Security without the slowdown: Security is baked in. Automated scanning, secure-by-default environments, and role-based access let developers code confidently without sacrificing security or compliance. Real-time monitoring, logs, and automated alerts keep developers in the loop. They can fix issues before users even notice.

Teamwork makes the dream work: Shared docs, reusable templates, and community-driven improvements make collaboration easy. Developers work smarter, not harder.

Platform engineering cuts the clutter, boosts automation, and lets developers focus on building, not battling infrastructure. Faster code, fewer headaches, and better software—that's the power of platform engineering.

64% **of DevSecOps leaders want to consolidate their toolchain.**[1]

1 GitLab, 2024 Global DevSecOps Report

2. AI builds, learns, and optimizes

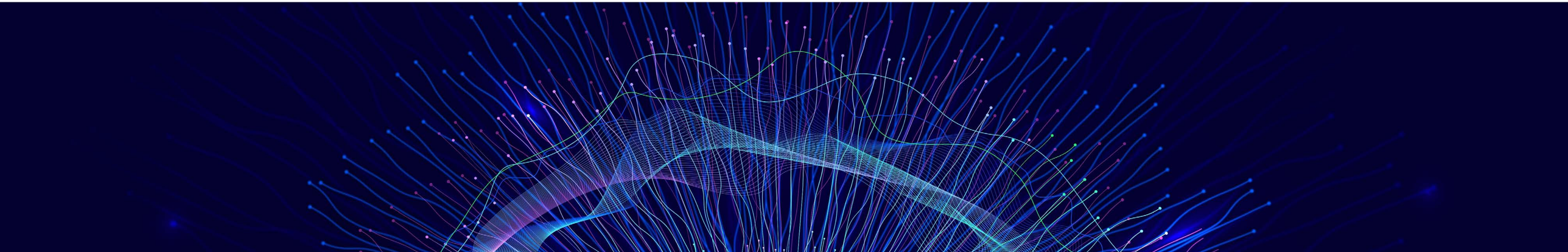
AI isn't just hype—it's fundamentally changing how software gets built. With AI-powered platform engineering, companies can streamline workflows, reduce errors, and accelerate delivery cycles.

- **Auto-code generation** – Less typing, more shipping. AI-powered tools, like OpenText™ DevOps Aviator, break down projects into manageable components and generate code automatically.
- **Smart security**: AI scans code for vulnerabilities and suggests fixes in real-time before you even notice them.
- **User insights on steroids** – AI identifies patterns in user behavior to understands how people actually use your app, enabling continuous improvement.

AI doesn't just build—it learns. By analyzing real-world user behavior, it tweaks applications for better performance.

- **Process optimization**: Adapt and refine workflows based on how users actually behave.
- **Cost and compliance awareness**: Ensure deployments stay cost-effective and legally compliant.
- **Instant feedback analysis**: AI reads thousands of user reviews so you don't have to, surfacing valuable insights for future updates.

By integrating AI, companies can reduce bottlenecks, enhance collaboration, and stay ahead in an increasingly competitive landscape.



3. Software delivery at warp speed

Time is money. Making speedy deliveries is the secret sauce to outpacing competitors, delighting customers, and turning ideas into reality before anyone else even catches up. Platform engineering cuts the fat, boosts automation, and lets developers focus on what they do best—building awesome software, fast.

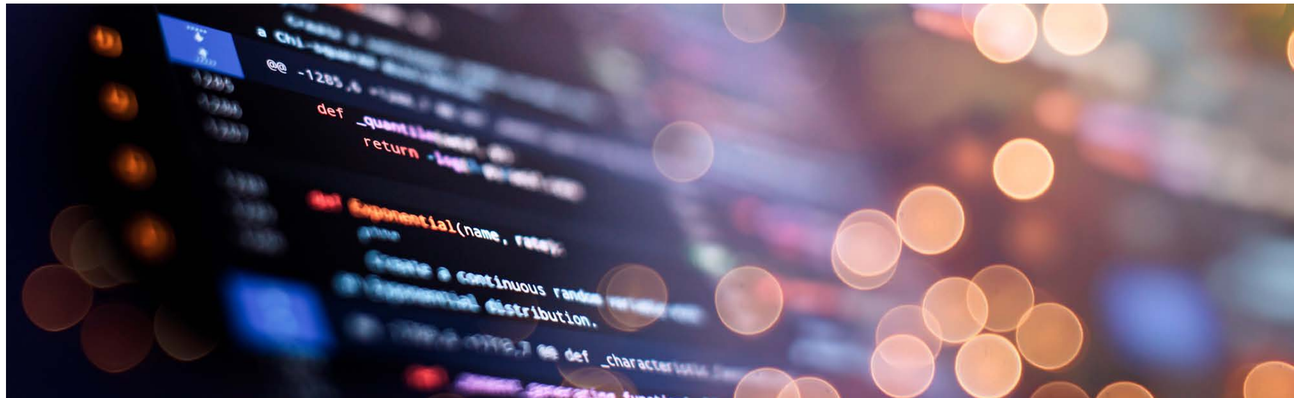
Goodbye infrastructure hassles: Platform engineering takes the headache out of infrastructure management. Developers spend less time wrestling with configurations and more time building features. With standardized environments and abstracted complexity, the focus is back on code, not setup.

No waiting, just coding: With self-service tools, developers can provision resources, deploy applications, and manage environments—all without waiting on ops. It's like having a magic wand that makes bottlenecks disappear instantly.

Automation at full throttle: CI/CD pipelines, automated testing, and secure deployments—everything gets done automatically. Platform engineering turns the tedious tasks into a well-oiled machine, letting developers focus on shipping features, not fighting with processes.

Security without the slowdown: Security and compliance are baked in, ensuring developers ship safe, secure software without added delays. Real-time monitoring and alerts shift security left and let developers spot issues before they escalate. With proactive feedback loops and quick fixes, developers keep moving forward without the dreaded production surprises.

Fast software delivery is the key to turning "idea" into "impact" before your competition even finishes their planning.



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4. Security without the drama

Security is usually a buzzkill, but AI makes it seamless. Developers can code with confidence, knowing the platform's got their back, and there's zero drama when it's time to ship.

Secure by design: integrate security from the start, it should be a core consideration from the initial design phase through deployment and woven into workflows. Automated security checks, built-in encryption, and pre-configured safe zones mean apps are locked down before anyone even thinks about hitting "deploy."

Compliance made easy: Platform engineering simplifies compliance by automating checks for regulatory standards, without slowing down releases. No more fire drills before audits—everything is tracked and compliant by design.

Instant fixes, no sweat: AI-powered security tools help developers identify and fix vulnerabilities in real time. It spots threats before they become problems, learning and adapting faster than any human could. Let developers focus on building while security evolves with the threat landscape, AI catches exploits before the bad guys do.

Security shouldn't slow down development. With security processes running behind the scenes, developers can move fast, knowing their code is safe and compliant. No drama, no delays—just smooth sailing.

80% of large software engineering organizations will establish platform engineering teams as internal providers of reusable services, components and tools for application delivery by 2026.

5. Pivot on a dime

Accelerate continuous improvement in DevOps by automating tedious tasks, aligning workflows, and embedding real-time feedback into every stage of development. With smoother processes, faster iterations, and a focus on security, teams can continuously evolve their practices and deliver better software faster.

Metrics that matter: With built-in monitoring and real-time insights, platform engineering turns data into action. Teams can spot performance issues, track improvements, and adjust their approach—it's like having a GPS for the DevOps journey.

Automate the boring stuff: Platform engineering takes the mundane out of DevOps, automating infrastructure, deployment, and testing so teams can focus on what really matters—improving software, not wrangling servers. Less busywork, more brilliance.

Always evolving: The DevOps cycle is in constant motion, offering new insights, better tools, and faster workflows. Teams can quickly spot bottlenecks, refine processes, and iterate on workflows to continuously improve and adapt to new challenges. Every deployment teaches you something new, so your processes and software are always getting better.

Conclusion

By shifting left and automating right, platform engineering transforms DevSecOps from a complex, painful process into a smooth, efficient, and empowering journey.

In a world where speed, security, and collaboration are the name of the game, platform engineering is the unsung hero that makes it all happen without the usual chaos. By shifting left and automating right, it smooths out the bumps in the DevSecOps journey, letting teams focus on building great software instead of getting bogged down in infrastructure drama. With automation doing the heavy lifting and feedback flowing freely, you can deliver faster, more secure software, all while avoiding the dreaded bottlenecks.

The result? Stronger teams, faster delivery, and more secure software—all without the headache.

A DevSecOps cycle that evolves with every deployment, constantly improving without the pain. Platform engineering takes the guesswork out of development, turning complex tasks into well-oiled processes and letting your teams move at the speed of innovation—securely, efficiently, and with a lot less stress.

Catch our on-demand “Friends” DevSecOps virtual session

“The One with Platform Engineering (and the Happy Developers)”

It’s packed with all the laughs (and insights) you need to level up your DevSecOps game.

Grab your coffee and watch any time!

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