



A Leading Global Airline Reduced Regression Testing by 99% and Accelerated Releases by 75%



75%

Faster Release Cycles



99%

Reduction in Regression
Testing Time



25%

Annual AWS Cost
Optimization

The world's largest low-cost airline initiated a digital transformation of its TechOps division to modernize legacy systems, accelerate engineering velocity, and improve developer productivity. [The initiative required implementing modern cloud-native practices while maintaining the strict safety and regulatory standards expected in aviation operations.](#)



Challenges

- **Legacy Monolithic Systems**
This resulted in slow-release cycles of 8–12 weeks, preventing proactive response to evolving business and market needs.
- **Manual Testing Overload**
Manual regression testing cycles of three weeks delayed updates, delaying updates and creating roadblocks.
- **Dependence on Centralized Teams:**
Over-reliance on centralized QA, DevOps, and infrastructure teams reduced agility and delivery velocity.
- **Limited CI/CD Maturity:**
Absence of scalable CI/CD pipelines and reusable cloud foundations created inconsistent deployment practices.
- **Rising AWS Costs:**
Increasing cloud costs due to a lack of FinOps governance and cost optimization strategies.

Solutions

- SAFe Agile delivery model with 10-week Program Increments and 2-week sprints. This enabled 75% faster releases, reducing release timelines from 8–12 weeks to 2–3 weeks and enabling faster feature delivery and responsiveness.
- Observability and self-healing capabilities improved reliability, uptime, and operational stability across mission-critical systems. Automated pipelines reduced regression cycles from three weeks to 60 minutes.
- Autonomous cross-functional Pods with developers, QA, DevOps, and product owners. Shift-left quality engineering improved reliability and minimized downstream failures.
- Shift-left automation integrated into CI/CD pipelines.
- Cloud-native infrastructure using Terraform and GitLab CI /CD. Leveraged AWS modernization using Lambda, ECS, and Kinesis. These led to 25% reduction in cloud costs and FinOps governance optimized cloud resource utilization.

About



QualiZeal is North America's fastest-growing independent digital engineering services company, helping enterprises accelerate innovation while ensuring reliability, performance, and quality across modern technology ecosystems.

With a portfolio spanning Quality Engineering, Digital Engineering, Advisory and Transformation, and Emerging Technology Testing, QualiZeal empowers organizations to achieve quality excellence and sustainable market leadership.

The company employs 750+ elite software engineers and has successfully delivered 200+ projects for 50+ global enterprises across 12+ industries.

QualiZeal has been recognized by leading research firms including Gartner, Everest Group, Forrester, Frost & Sullivan, and NelsonHall. Recent recognitions include the 2025 Gold Stevie® Award for Fastest-Growing Tech Company of the Year and a place on the Deloitte Technology Fast 500™ list.



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