



Case Study

Future-proofing Zolve's fintech security against all vulnerabilities



Company Size	Asset type	Security Review Cadence
200-500	Web Apps, APIs, Data Privacy Vault Infrastructure	Monthly + Annual Assessment

Client overview: Zolve

Zolve is a US-based fintech platform enabling seamless cross-border banking for global citizens. Operating in one of the most regulated sectors, Zolve places security and compliance at the core of its platform, safeguarding sensitive financial data and maintaining customer trust across jurisdictions. By embedding robust security across web and mobile apps, APIs, and cloud infrastructure, Zolve empowers users and partner banks while driving innovation.

Company	Zolve
Headquarters	New York, US
Industry	Fintech
Department	IT Security
Service Used	Product Security as a Service

Challenge

Ensuring continuous security and regulatory compliance

With sensitive financial data and global operations, Zolve needed to maintain SOC 2 compliance, protect customer PII, and mitigate advanced API and cloud risks—all while keeping pace with rapid release cycles. AppSecure's expertise in offensive security and research-driven penetration testing helped Zolve strengthen its security posture and validate production releases continuously.

Our unique approach

Situation-based penetration testing

AppSecure implemented a continuous testing program combined with monthly security research, simulating real-world attack scenarios. Collaborating closely with Zolve's engineering team, AppSecure identified OWASP Top 10 vulnerabilities, business logic flaws, API misconfigurations, and other critical risks. Each finding was prioritized for impact, ensuring efficient remediation and robust security across all systems.



Simulating real-world attack scenarios, the AppSecure team identified critical security gaps in Zolve's fintech platform and provided actionable guidance to proactively remediate vulnerabilities. AppSecure supplemented its offensive security initiatives with a continuous penetration testing model integrated into Zolve's agile development workflow. Monthly assessments tested upcoming features in pre-production, ensuring vulnerabilities were addressed before deployment.

Building an impenetrable fortress

AppSecure's customized approach drove maximum results for Zolve

- Strengthened the security posture of web, mobile, API, and cloud infrastructure
- Continuously tested upcoming features using a shift-left approach to ensure secure releases
- Facilitated ongoing SOC 2 Type 2 compliance
- Shared actionable security knowledge with the engineering team
- Served as a dependable partner alongside Zolve's in-house security team

Hear it from our client, Zolve

"AppSecure's continuous testing gave us clear visibility into security gaps across every release, helping our teams address risks before they reached production."



Mridul Gupta

Engineering Lead, Zolve



AppSecure, a global leader in offensive cybersecurity, helps enterprises strengthen their security posture through application security testing, red teaming, and continuous security programs. Our hacker-led experts combine deep research with real-world attack simulations to help organizations validate defences, enhance resilience, and sustain compliance at scale.

Learn more at <https://www.appsecure.security> or [contact us](#) for a tailored consultation.



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