Securing Digital Finance: How a Fintech Innovator Strengthened Its Cybersecurity with Invinsense

About the Customer

A rapidly growing fintech innovator, this company delivers unified solutions for digital identity, fraud prevention, regulatory compliance, and secure transactions. Built on blockchain, biometrics, and AI, their platforms support seamless onboarding, e-signatures, AML, and KYC processes for financial institutions across global markets.

Industry	Fintech / RegTech
Challenge	Protecting sensitive financial data and ensuring compliance across blockchain-based platforms
Solutions Used	Invinsense XDR, XDR+, OXDR, GSOS

The Challenge

As the company scaled its digital infrastructure and customer base, it faced several cybersecurity and compliance challenges typical to high-growth fintechs:

- Securing sensitive financial data across blockchain-based environments
- Mitigating risks from advanced persistent threats targeting customer onboarding workflows
- Achieving real-time visibility into threats spanning AI-driven fraud detection and biometric verification systems
- Maintaining compliance with ISO 27001 and SOC 2 standards
- Ensuring business continuity with limited internal security operations resources

The Invinsense Solution

To address these pain points, the organization deployed a comprehensive cybersecurity stack from Invinsense that combined real-time detection, proactive threat exposure management, deception technology, and automated compliance oversight.

Invinsense XDR: Unified Threat Detection Across Platforms

Invinsense XDR integrated the company's diverse systems — from biometric APIs to blockchain nodes — enabling centralized threat detection and correlation.

Key Results:

- 68% faster detection of anomalous activities across KYC/KYB modules
- Improved signal-to-noise ratio, reducing false positives by 40%
- Immediate detection of suspicious account creation attempts
- Enhanced visibility into identity and fraud prevention systems

Invinsense OXDR + CTEM: Managing Threat Exposure Proactively

The company implemented CTEM (Continuous Threat Exposure Management) through Invinsense OXDR, enabling them to stay ahead of emerging threats.

Scoping	• Identified over 3,000 digital assets spanning onboarding APIs, smart contracts, and transaction layers
Discovery	• Uncovered 200+ exposed endpoints and API misconfigurations
Prioritization	• Risk scoring based on data sensitivity and likelihood of exploitation
Validation	• Simulated attacks on key onboarding paths and AI-driven decision engines
Mobilization	• Remediated 90% of critical vulnerabilities within 15 business days

Key Result

- 68% faster detection of anomalous activities
- 4.2x improvement in vulnerability remediation timelines
- 95% alignment with ISO 27001 and SOC 2 compliance requirements
- 6.5x increase in early threat identification through deception technology

Executive Insight

With Invinsense, we were able to strengthen our security controls without slowing innovation. The visibility, automation, and proactive approach helped us build trust with customers and regulators alike."
— Chief Information Security

CTEM Outcomes

- 4.2x improvement in time to remediate vulnerabilities
- 70% reduction in externally exposed weaknesses
- Reduced testing cycles for security validation by 35%

Invinsense XDR+: Detecting Advanced Threats with Deception

By implementing decoy services that mimicked critical financial APIs and databases, the company detected attackers earlier and more effectively.

Outcomes:

6.5x increase in early detection of threat actors	Identification of unauthorized internal access attempts	Strengthened SOC capabilities with enriched threat intelligence

Invinsense GSOS: Streamlining Compliance Operations

To align with global compliance standards and scale securely, the company leveraged Invinsense GSOS for automated control tracking and reporting.

Compliance Outcomes:

95% alignment with ISO 27001 and SOC 2 frameworks	65% reduction in manual compliance effort	Enabled audit-readiness and proactive compliance reviews

Quantifiable Impact

Security & Compliance Metric	Improvement Achieved
Threat Detection Speed	↑ 68% faster
Vulnerability Remediation Timelines	↑ 4.2x improvement
Compliance Alignment (ISO 27001, SOC 2)	↑ 95%
Early Threat Detection	↑ 6.5x increase
Manual Compliance Tasks	↓ 65% reduction

Conclusion

By integrating the Invinsense platform across its security and compliance stack, this fintech organization gained real-time protection, scalable remediation capabilities, and regulatory alignment — enabling it to confidently scale its digital offerings across global markets.

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