

## CASE STUDY

"At COE Security, we build, operate, and transfer world-class security solutions, empowering businesses with resilience and trust."

Joseph Henderson



COE SECURITY LLC

USA | BRAZIL | UAE | INDIA



## CASE STUDY

### STRENGTHENING SUPPLY CHAIN SECURITY FOR A GLOBAL SAAS LEADER



# Measurable Impact Our Security in Numbers



- 1,500+ Global Engagements
- 95% Client Satisfaction
- 10+ Years of Cybersecurity Excellence
- 15K+ Critical Vulnerabilities Identified
- 1M+ Security Incidents Managed
- \$350M+ Costs Saved
- \$2.5B+ Transactions Secured
- 24/7/365 Threat Monitoring & Response
- Proactive Threat Hunting
- Cutting-Edge Security Technologies
- Dedicated Security Advisors
- Zero-Day Exploit Mitigation
- Incident Response Planning & Execution
- Security Awareness Training
- Customizable Security Solutions

**We're  
Hiring!**

## Client Profile

A global SaaS provider with 1,000+ employees and a rapidly growing financial services customer base faced mounting security risks across its software supply chain. Increasing product complexity and accelerated deployments exposed vulnerabilities that threatened operational resilience. An incident linked to a compromised third-party component triggered a security audit, emphasizing the need for a comprehensive Supply Chain Security Review.

## Challenges Faced

Key security concerns included:

- Lack of visibility into third-party software components and dependencies
- Inconsistent security controls across the supply chain
- Risks from unvetted or outdated third-party libraries
- Limited monitoring and incident response for supply chain threats

## Solution

COE Security implemented a tailored Supply Chain Security Assessment Program, combining:

- Comprehensive Dependency Analysis: Automated tools to inventory and assess all third-party components for vulnerabilities.
- Security Policy Framework: Established policies and standards to enforce consistent security controls across suppliers and internal teams.
- Continuous Monitoring: Deployment of monitoring tools to detect suspicious activity or vulnerabilities in the supply chain in real time.
- Training & Awareness: Educated development and procurement teams on supply chain risks and best practices to mitigate them.



# Compliance & Regulatory Mastery



- ISO 45001
- HIPAA & HITRUST
- NIST & NIST 800-171
- ISO 27001
- PCI DSS
- CMMC
- CIS Controls
- SOC 2
- CCPA & NYDFS
- EU CRA
- FedRAMP
- GDPR
- UK Cyber Essentials
- Essential Eight - Australia

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## Supply Chain Risk Identification & Mitigation

- Conducted detailed vulnerability scans of all third-party components integrated into the product suite
- Prioritized remediation efforts based on risk severity and business impact
- Collaborated with suppliers to patch and update vulnerable libraries promptly
- Implemented automated alerts for newly discovered supply chain threats
- Enhanced code review processes to include supply chain security checkpoints

## Governance & Strategic Readiness

- Defined and enforced supply chain security policies across all product teams
- Established regular risk assessments and audits as part of governance
- Integrated supply chain risk management into overall cybersecurity strategy
- Developed incident response playbooks specific to supply chain breaches

## Our Supply Chain Security Excellence Portfolio

- Supply Chain Vulnerability Assessments
- Third-Party Risk Management
- Continuous Threat Monitoring
- Secure Development Lifecycle Integration
- Compliance & Regulatory Support
- Incident Response & Forensics
- Security Awareness Training
- Vendor Risk Assessments
- Policy & Framework Development
- Automation & Tooling Solutions



# Our Cybersecurity Arsenal: Beyond Protection- We Build Resilience



- Application Penetration Testing (Thick/Thin)
- Mobile Application Penetration Testing
- API Penetration Testing
- Network Penetration Testing
- Operational Technology Security Testing
- Cloud Penetration Testing
- AI & LLM Security Audit and Pen Testing
- Red Teaming & Social Engineering Services
- Product & Hardware Penetration Testing
- IoT Security
- Security Operations Center Services (24/7)
- Custom Security Services

## Implementation Details

- Deployed automated dependency scanning tools across CI/CD pipelines
- Integrated supply chain security dashboards with existing security operations centers
- Conducted targeted training sessions for development and procurement teams
- Documented policies, procedures, and remediation workflows
- Delivered detailed security reports with actionable insights to leadership

## Results Achieved

- Reduced supply chain vulnerabilities by 75% within 6 months
- Increased remediation speed by 60% through automation and collaboration
- Achieved compliance with industry standards such as SOC 2 and ISO 27001 supply chain requirements
- Elevated overall security maturity score by 25%, reflected in internal audits

## Client Testimonial

“COE Security’s focused approach transformed our supply chain security posture, enabling us to confidently accelerate product deployments without compromising safety. Their expertise and hands-on support made the process seamless and highly effective.”

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# Industries We Protect with Cutting-Edge Security



- Financial Services
- Healthcare
- Retail
- E-commerce
- Government
- Cryptocurrency
- Blockchain Technology
- Automotive
- Transportation/Logistics
- Energy & Utilities
- Hospitality/Tourism
- Entertainment/Media
- Manufacturing
- Education
- Telecommunications
- HiTech & Information Technology

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## COE Security LLC

COE Security is a leading cybersecurity services provider, offering tailored solutions to evolving threats. We enable organizations to meet compliance, reduce risk, and strengthen cyber resilience through proven methods, expert execution, and a commitment to excellence.

"Peace of mind in a world of cyber threats.  
That's what we deliver."

*Joseph Henderson*

