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

FORTIFYING THE CODE: ENHANCING APPLICATION SECURITY POSTURE AT SCALE

COE SECURITY

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

The client is a mid-sized financial services provider operating across three continents, with approximately 2,000 employees and a rapidly expanding cloud-native application portfolio. Facing increased regulatory scrutiny and rising threats to customer data, the client needed to assess and elevate the security posture of over 30 internal and public-facing applications.

Challenges Faced

Key security concerns included:

- Lack of centralized visibility into application vulnerabilities
- Inconsistent secure coding practices across development teams
- Slow remediation cycles due to undefined ownership and triage processes
- Failure to meet OWASP ASVS and PCI DSS application security standards

Solution

COE Security implemented a tailored Application Security Posture Management (ASPM) Engagement, combining:

1. Security Posture Baseline Assessment: Identified gaps against industry benchmarks (OWASP, NIST)
2. Secure SDLC Integration: Embedded security into CI/CD pipelines using tools like Snyk and GitLab CI
3. Application Threat Modeling Workshops: Educated teams on secure design and abuse case identification
4. Centralized ASPM Dashboard: Delivered a unified view of risk metrics across all applications

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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

We're Hiring!

Security Engineering and Application Hardening

- Onboarded 30+ applications into the ASPM platform within 3 weeks
- Integrated SAST and DAST tools with existing DevOps workflows
- Enabled early vulnerability detection during the build phase
- Reduced open critical vulnerabilities by 80% in the first 90 days
- Delivered targeted secure coding sessions for Java, Python, and React teams

Governance and DevSecOps Readiness

- Established an application security steering committee with engineering leads
- Defined clear ownership and SLAs for vulnerability remediation
- Built a maturity roadmap for transitioning from reactive to proactive security
- Implemented policy-driven gates to block insecure code promotions

COE Application Security Posture Service Portfolio

- Application Security Posture Management
- Secure Code Review
- Static & Dynamic Application Security Testing
- DevSecOps Pipeline Integration
- Cloud-Native Application Protection
- API Security Assessment
- Application Threat Modeling
- Security Champions Program
- Compliance Readiness (OWASP, PCI, ISO)
- Continuous Security Metrics and Reporting

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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

- Integrated GitHub Actions and Jenkins with SAST/DAST scanners
- Conducted training sessions on threat modeling and secure development
- Developed a knowledge base and remediation playbooks for common CVEs
- Configured automated weekly and executive reports for security KPIs

Results Achieved

- 80% reduction in critical application vulnerabilities within 90 days
- 95% CI/CD pipeline coverage with automated security checks
- Achieved full OWASP ASVS L2 alignment within 6 months
- Enabled a 40% faster response time to newly disclosed CVEs

Client Testimonial

"COE Security gave us the visibility, control, and confidence we needed. Their ASPM program transformed the way our developers think about and build secure applications."

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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 comprehensive solutions to address the evolving threat landscape. We have a proven track record of helping organizations of all sizes mitigate risks, strengthen defenses, and recover from cyberattacks. Our team of experienced cybersecurity professionals possesses deep expertise in the latest technologies and best practices, enabling us to deliver tailored solutions that meet your unique security needs.

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

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