

LUCIAN LIPINSKY DE ORLOV

lucian@lipinskyllc.com • 914-656-0324 • linkedin.com/in/lipinsky/

CYBERSECURITY ARCHITECTURE & ENGINEERING LEADER TECHNICAL STRATEGY & DESIGN

INFRASTRUCTURE & APPLICATION SECURITY | CLOUD SECURITY ARCHITECTURE
THREAT MODELING | SECURITY STANDARDS & PATTERNS | TECHNICAL TEAM LEADERSHIP

PROFESSIONAL SUMMARY

Senior cybersecurity architect and engineering leader with 20+ years designing, building, and scaling enterprise security architecture across global financial institutions. Technical background in cloud security architecture, infrastructure and application security, vulnerability management program design, and secure-by-design practices. Proven expertise establishing security architecture principles, patterns, and standards that enable secure application development and infrastructure. Strong track record leading high-performing engineering and architecture teams, designing technical roadmaps, evaluating emerging security technologies, and translating business requirements into architectural solutions. Experienced managing security operational and capital budgets, building secure systems end-to-end, and driving architectural evolution based on ecosystem pain points and organizational needs.

PROFESSIONAL EXPERIENCE

American Express - New York, NY

Senior Director, Risk & Information Security

2025 - Present

Enterprise Cybersecurity Architecture & Technical Strategy

- Lead enterprise security architecture and engineering, establishing architecture principles, standards, and patterns that enable secure-by-design practices across cloud and on-premise environments.
- Design and evolve security architecture across multiple technology domains including data protection, privacy infrastructure, identity and access management (IAM), and cloud platform security across AWS and hybrid environments.
- Develop technical roadmap for security infrastructure and solutions; establish architectural decisions that balance operational needs, financial constraints, scalability requirements, and security objectives.
- Design infrastructure and vulnerability management architecture; establish threat modeling practices and vulnerability assessment standards across enterprise platforms.
- Architect application security integration into development lifecycle; establish secure coding standards, code review processes, and threat modeling for application teams.
- Lead security engineering and architecture teams including hiring, technical mentorship, career development, and performance management of security architects and engineers.
- Evaluate emerging security technologies, cloud platform capabilities, and threat landscape changes; recommend architectural and technical solutions to advance security posture.
- Manage security operational and capital budgets; forecast fiscal performance, evaluate technical investments with multi-year view, and estimate financial impact of architectural alternatives.
- Translate business requirements into architectural requirements; partner with infrastructure and development teams to integrate security requirements into technology initiatives.

Citigroup - New York, NY

Senior Vice President, Cyber Operational Risk Officer**2023 - 2025**

- Led security architecture and technical engineering across vulnerability management, threat detection, and security operations infrastructure.
- Architected and oversaw Fusion Center infrastructure design and operations; established threat detection architecture, monitoring standards, and incident response workflows.
- Designed vulnerability management program architecture including assessment methodologies, prioritization framework, remediation tracking, and architectural evolution based on risk patterns.
- Led threat modeling and adversarial emulation exercises; designed tabletop scenarios to evaluate architectural resilience and incident response readiness.
- Established cybersecurity policy architecture and standards; modernized policies to reflect technical best practices and regulatory requirements.

Franklin Templeton Investments - New York, NY

Global Director of Security and Risk (CISO)**2019 - 2023**

- Executive architect of global enterprise security program protecting 100 locations in 45 countries supporting \$1.7T AUM; led security architecture and engineering teams of approximately 80 professionals.
- Designed and built Security Operations Center end-to-end including architecture, infrastructure design, staffing, technology selection, and operational workflows; integrated real-time monitoring, threat detection, and incident response capabilities.
- Established enterprise security architecture principles and patterns; created architecture standards across infrastructure, application security, and data protection aligned to business objectives and risk appetite.
- Designed enterprise vulnerability management architecture and program; established threat assessment, vulnerability prioritization, remediation tracking, and architectural evolution processes that resolved 33,000+ vulnerabilities across 900+ applications.
- Architected application security integration into development lifecycle; established secure coding standards, code review processes, and shifted security testing left for client portal and mobile app delivery.
- Designed infrastructure security and access management architecture; implemented AI-based endpoint detection and response, DDoS protection, privilege elevation, and enterprise vulnerability scanning.
- Led threat modeling and incident response architecture design; directed executive tabletop exercises and crisis simulations to evaluate preparedness and organizational resilience.
- Managed security operational and capital budgets; evaluated emerging technologies including blockchain, tokenization, and cryptographic solutions for emerging asset classes and regulatory requirements.
- Transformed security posture through architectural and technical improvements; increased BitSight score from 630 to 810 over three years through comprehensive architecture design and execution.

QuSecure - San Mateo, CA

Board Advisor (Quantum Security)**2020 - 2023**

- Provided technical and architectural guidance on post-quantum cryptography implementation and applicability in regulated financial services environments.
- Evaluated emerging cryptographic technologies and threat landscape evolution; translated complex quantum computing and cryptography concepts into architectural recommendations for executive leadership.

Citihub - New York, NY

Partner, CISO-for-Hire**2008 - 2015**

- Architected and designed enterprise security programs for C-suite executives across financial services and other industries.
- Delivered architectural guidance, threat modeling, tabletop exercises, and strategic technology recommendations aligned to business objectives.

Deloitte Consulting - New York, NY

Senior Manager, Security Architecture & Engineering**2003 - 2008**

- Architected security programs and solutions for capital markets, wealth management, and retail banking clients.
- Led large-scale security architecture initiatives, technology assessments, and delivered architectural recommendations to C-level executives.

THOUGHT LEADERSHIP & EDUCATION

Fordham University - Three Minute Thesis (3MT) Competition

First Place Winner (2018)

Recognized for delivering advanced cybersecurity research on AI-driven threat detection to a non-technical audience in under three minutes, demonstrating exceptional clarity, discipline, and technical communication.

Fordham University - Lincoln Center, New York, NY

Adjunct Professor, Center for Cybersecurity

2019 - Present

Teach undergraduate and graduate courses in computer security systems, encryption, operating system vulnerabilities, and disaster recovery. Program designated by NSA/DHS as a National Center of Academic Excellence in Cyber Defense Education.

EDUCATION

MS in Cybersecurity

Fordham University, Graduate School of Arts and Sciences, New York, NY

NSA and DHS National Center of Academic Excellence in Cyber Defense Education Certified

MS in Advanced Technology, Specialization in Computer Science

Thomas J. Watson School of Engineering, Applied Science, and Technology, SUNY Binghamton, NY

BS in Computer Science

State University of New York, Binghamton, NY

CERTIFICATION & TRAINING

ISACA CRISC - PMI Project Management Professional (PMP) - ITIL Foundation Certified - Certified Disciplined Agilist

Enterprise Lean Six Sigma Green Belt - CISSP (Candidate) - IBM Certified Professional - Project Management

New York State Notary Public - FAA Private Pilot - Single Engine Land