Adrian Lamo

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SUMMARY

10+ years of experience as a product security leader with a proven track record of reducing vulnerabilities, enhancing secure development practices, and achieving results in line with global standards. Skilled in leading teams, integrating security into workflows, and driving impactful security initiatives and automation to secure complex systems.

PROFESSIONAL EXPERIENCE

Group Head of Product Security   Nov 2019 – Present
Expedia Group, Inc.   Wexford, Ireland

→ *E*stablished a global product security strategy, reducing critical vulnerabilities by 60% across all platforms.
→ *L*ed the implementation of a secure dev lifecycle, improving time‑to‑fix by 45%.
→ *D*irected a team of 5 engineers to achieve 100% PCI‑DSS compliance.
→ *I*ntegrated advanced threat modeling processes, which prevented 70+ high risk vulnerabilities pre‑deployment.
→ *L*aunched a centralized incident response program, reducing mean time to resolve (MTTR) by 40%.
→ *C*ollaborated with product teams to implement security‑by‑design principles to increase customer trust.
→ *D*eployed a continuous monitoring system for application security, detecting and mitigating 200+ threats annually.

Application Security Engineer   Aug 2016 – Sep 2019
PayPal S.à r.l.   Paris, France

→ *R*educed API vulnerabilities by 45% via implementation of automated API security testing tools.
→ *D*esigned a secure authentication framework, that has decreased the incidents of account compromise by 30%.
→ *C*onducted regular red team exercises, uncovering and mitigating 150+ critical security gaps.
→ *I*ntegrated static and dynamic code analysis into CI/CD pipelines, for reducing the vulnerabilities detection time by 50%.
→ *C*ollaborated with global teams to implement secure payment protocols, enhancing fraud prevention by 20%.
→ *I*mplemented a secure SDLC process, that decreased the average time to resolve vulnerabilities by 40%.
→ *C*ollaborated with development teams to fix 100+ critical security issues.

Senior Security Engineer   Feb 2015 – Aug 2016
Doctolib   Paris, France

- All details are at my LinkedIn Profile.

Security Engineer   Jul 2014 – Oct 2014
Deezer   Nantes, France

- All details are at my LinkedIn Profile.

RESEARCH PROJECTS

Adaptive Threat Detection System

→ Reduced threats by 35% using AI‑based anomaly detection on enterprise traffic.
→ Enhanced attack pattern ident accuracy by 40% using correlation algorithms.
→ Improved 0‑day attack response time by 50% with a Python based threat feed.
→ Streamlined PCI compliance with an integrated open‑source SIEM tool.
→ Boosted threat detection rates by 60% with machine learning models.

Secure Payment Gateway with Real‑Time Fraud Detection

→ Reduced payment data breaches by 45% using AES‑256 encryption protocols.
→ Increased fraud detection accuracy by 30% with a regression‑based engine.
→ Cut txn time by 20% by optimizing database queries for real‑time processing.
→ Enhanced PCI‑DSS compliance with seko Java library for tokenized payments.
→ Improved fraud investigation efficiency by 50% using cloud‑based monitoring.

PRESENTATIONS

→ **0‑Day Exploits: Defense Strategies**, DEFCON, Las Vegas (08 August 2024).
→ **ATD in Cloud Environments**, Black Hat Europe, London (10 December 2022).
→ **DevSecOps for CI/CD Pipelines**, OWASP AppSec, Amsterdam (15 May 2020).
→ **EH Techniques for Modern Web Applications**, TU, Berlin (20 September 2021)
→ **Machine Learning in Cybersecurity**, TU, Berlin (18 February 2019).

ACADEMIC QUALIFICATIONS

Master's in Computer Science   2012 — 2014
Stanford University   Stanford, USA

✓ *Graduated with Honors*: Achieved an overall GPA of 3.7/4.0
✓ *Focus Areas*: Cryptography, Network Security, and SDLC.
✓ *Thesis*: Advanced Techniques in IDS using Machine Learning.
✓ *Key Projects*: Developed a prototype for secure communication in IoT env.

Bachelor's in Computer Science   2008 — 2012
École Polytechnique   Palaiseau, France

✓ *Graduated with Distinction*: Ranked in the top 5% of the graduating class.
✓ *Specialization*: Algorithms, Data Structures, and Operating Systems.
✓ *Research Project*: Analysis of Malware Behavior via Sandboxing Techniques.
✓ *Key Training*: Certifications in Ethical Hacking & Secure Code Practices.

CERTIFICATIONS & AWARDS

→ **Certified Information Systems Security Professional (CISSP)**, Achieved: 2018.
→ **AWS Certified Security Specialty**, Amazon Web Services, Achieved: 2020.
→ **Certified Ethical Hacker (CEH)**, EC‑Council, Achieved: 2010.
→ **Certificate of Merit**, École Polytechnique. Graduated in Top 5%: 2008.
→ **Cloud Security Alliance (CSA) STAR Certification**, Achieved: 2021.
→ **Best Paper Award**, International Conference on Cybersecurity Research (2019).
→ **Bug Bounty Program Recognition**: Google Vulnerability Rewards Program (VRP). Acknowledged for discovering a critical security flaw: 2019.