

Luis Armando Hernández Villalobos

Software Engineer

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Software and Network Engineer with 2 years of practical programming experience with cybersecurity knowledge, with comprehensive experience in identifying, exploiting, and reporting security vulnerabilities.



Education and Certifications

UNIVERSIDAD DEL VALLE DE MÉXICO - Software and network development engineering

CERTIFICATES

- Google Cybersecurity Professional Certificate.
- Offensive Security Certified Professional (**OSCP**).
- AWS Certified Cloud Practitioner Udemy.
- Practical Network Penetration Tester (**PNPT**).
- Net4Skills Desarrollo Seguro.
- Certified Penetration Testing Specialist (**CPTS**).
- Scrum Developer Certified (**SDC**).



Technical Experience

OFFENSIVE

- Resolved 183+ vulnerable labs on HackTheBox and OffSec platform, link to HTB profile: <https://app.hackthebox.com/profile/919555>.
- Created lab writeups. Link to website: <https://arvillalobos.github.io/blog/>.
- Executive technical reports for **OSCP**, **PNPT** and **CPTS** certifications.
- Pentesting tools (sqlmap, Nmap, Wpscan, Burpsuite, Metasploit, fuzzers, Active Directory tools, Nessus, and more).
- OWASP top 10 exploitation.
- Python and bash scripting.
- Knowledge in Windows and Linux operating systems.

DEFENSIVE

- Network analysis tools (Wireshark, tcpdump).
- Log analysis and threat hunting (Splunk, Elastic).
- IDS/IPS tools (Suricata, Snort, Zeek).
- Malware Analysis fundamentals.
- Knowledge of common attacks in Active Directory.
- Certified Defensive Security Analyst in course.



Professional Experience

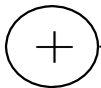
INDRA SISTEMAS MÉXICO S.A. DE C.V.
SOFTWARE ENGINEER

2022 - Actual

PROYECTOS:

PCI REGULATORY CERTIFICATION - JAVA APX PAYMENT METHODS DEVELOPER - BBVA BANK

- PCI Regulatory Certification: I participated directly in this project as developer and manager, with the objective of protecting customer data, reducing the risk of fraud and complying with regulations.
- JAVA APX development: a backend solution was proposed, creating and modifying 4 transactions, 8 components and 2 DTOs to satisfy with the PCI standard.
- Job development for provisioning: I created a job to populate an Oracle table daily by obtaining data from the HOST-MAINFRAME.
- DataX and eventual process in Control-M: I implemented two transfers in DataX and the creation of their respective eventual batch process to activate them. This point was essential since it was sensitive information that APX transactions were going to consume.
- Integration tests: the respective tests were carried out with Postman in previous environments monitoring the correct flow in Athenea.
- Documentation and permissions management for deployment to production: I participated in 8 installations where I managed all the necessary approvals, documented the development process and finally presented it to Stakeholders for approval.



Languages

- Spanish
- English B1

LinkedIn

