Diego Aranda Gómez

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PROFILE

Software engineer specializing in cybersecurity, blending offensive capabilities (OSCP) with a strong product and automation mindset. Experienced in securing complex infrastructures (Linux, AD, Cloud) and shipping privacy-by-design applications. Former high-performance alpine skier, disciplined and relentless under pressure.

CERTIFICATIONS

OSCP - Offensive Security Certified Professional Sept 2026
Appian Certified Associate Developer Mar 2026

PROFESSIONAL EXPERIENCE

Security Architecture Analyst - Deloitte Sept 2026 – Today · Madrid

- Evaluate new technology rollouts and third-party vendors from a cybersecurity perspective, defining security requirements and assessing architectural impact for enterprise client projects.
- Analyze and develop Zero Trust architectures and network segmentation strategies utilizing modern SSE/SASE platforms (Netskope, Zscaler) to strengthen corporate access.

Software Engineering Intern - Capgemini Oct 2025 – Apr 2026 · Madrid

- Owned end-to-end refactoring of a production enterprise system, shipping new features iteratively in an Agile environment.
- Accelerated delivery by integrating AI tools into the development workflow for design, testing, and documentation.
- Earned Appian Certified Associate Developer within 2 months. Rapid ramp-up in an unfamiliar proprietary platform.

TECHNICAL PROJECTS

Smart Thermostat Security Audit IoT · Pentesting · Reverse Engineering

- Performed end-to-end security assessment across hardware interfaces, mobile app flows, and cloud components of a real IoT ecosystem.
- Uncovered 3+ critical vulnerabilities (backend RCE, plaintext credential storage, hardcoded API keys) and produced a remediation-prioritized report with PoC reproduction steps.

GeoAlarm - iOS Location Alarm App Swift · Privacy-by-Design · App Store

- Shipped a native iOS app with 100% on-device computation and zero cloud dependencies. Privacy-by-design, no tracking SDKs.
- Reduced battery consumption ~80% via CoreLocation geofencing; implemented AVAudioSession override to guarantee delivery regardless of hardware silent switch state.

Metadata Analyzer & Threat Correlator Python · Security Automation · AI

- Built a Python tool to extract, sanitize, and analyze file metadata across 5+ formats, cutting manual review time ~70%.
- Designed correlation logic to automatically flag anomalous patterns associated with document tampering, leaks, or risky provenance.

Enterprise Wargame Environment Red & Blue Team · AD · SIEM · DMZ

- Conducted offensive and defensive operations on real machines across isolated network segments with DMZ architecture, attacking and hardening both Linux and Windows hosts.
- Executed AD attack chains: enumeration, lateral movement, and privilege escalation across domain-joined machines.
- Deployed and operated Wazuh SIEM for threat detection, log correlation, and incident response in isolated environments.

SKILLS

Security: Pentesting, Red & Blue Team, Hardening, Forensics, Reverse Engineering, MITRE ATT&CK, OWASP, Wazuh
Infrastructure: Linux, Windows, Active Directory, AWS, Docker, Kubernetes, Netskope, Zscaler
Programming: Python, Bash, PowerShell, Swift, JavaScript, Java, C, C++
Web & Data: React, Node.js, SQL, MongoDB

EDUCATION

B.Sc. Software Engineering, Specialization in Cybersecurity - GPA: 8.3/10 Sep 2022 – Jun 2026
U-TAD, Madrid · Computer Networks 9.7 (Honours) · Algorithms 9.6

ADDITIONAL

Offensive Security Practice CTFs & Labs

- Regular practice via CTFs and hands-on labs: enumeration, privilege escalation, web exploitation, and post-exploitation.

High-Performance Alpine Skiing Extracurricular

- Balanced elite competitive sport with a demanding academic schedule. Discipline, resilience, and consistency under sustained pressure.

Languages: Spanish (Native) · English (Professional proficiency)