Ignacio Solís Aguiluz

Cybersecurity Student | SOC and Application Security | Junior

San Pedro, Costa Rica · +506 8364-2217 · ignacioaguiluzcr@gmail.com · github.com/ignacioaguayluz · linkedin.com/in/ignacio-solís-aguiluz

SUMMARY

Student at Universidad Cenfotec (Software Engineering, moving to the Bachelor's Degree in Cybersecurity in January 2027). Built apk-analyzer, my own tool that finds security issues in Android apps, classifies them by severity, and produces evidence-based reports. Practice in an isolated home lab with Kali Linux and document each exercise: the concept, the exploitation, and the fix. Built and delivered an NFC system for a client. Seeking a junior SOC or security role where I can investigate alerts, document incidents clearly, and keep learning.

TECHNICAL SKILLS

Security: Kali Linux, jadx, adb, OWASP Juice Shop, InjuredAndroid, secret detection, AndroidManifest review
Analysis and reporting: Severity-based findings, text/JSON/HTML reports, technical writeups with remediation
Languages: Python, SQL, TypeScript, JavaScript
Tools: Linux, Git, GitHub Actions, Docker (basic), UTM/virtualization

PROJECTS

apk-analyzer — Static Security Analyzer for Android APKs
Python · uv · GitHub Actions · github.com/ignacioaguayluz/apk-analyzer

- CLI tool that inspects an APK without running it: risky permissions, manifest settings (debuggable, allowBackup, cleartext traffic), and unprotected exported components.
- Detects exposed secrets (Google, AWS, Firebase, Supabase, JWTs, private keys) in .dex files and React Native/Expo bundles, including Hermes.
- Produces text, JSON, and HTML reports; runs in CI as a GitHub Action with severity-based exit codes.

Security Home Lab and Writeups
Kali Linux · Docker · jadx · adb · github.com/ignacioaguayluz/homelab-writeups

- Built an isolated lab (Kali in UTM, Docker targets, Android emulator) and documented OWASP Juice Shop and InjuredAndroid challenges.
- Each writeup explains the concept, the exploitation steps, and how to fix the flaw.

NFC Cleaning-Control Web System
Client project · NFC · Supabase

- Developed and delivered a client system that opens a form when a phone approaches an NFC tag.
- Staff record supplies, status, and incidents with automatic timestamps stored in Supabase.

Panetto — Bakery Recipe and Production Calculator
Expo · React Native · TypeScript · SQLite · SwiftUI · github.com/ignacioaguayluz/panetto-app

- Mobile app (Expo) and macOS desktop app (SwiftUI) that calculate recipes using baker's percentages and scale production by number and weight of loaves.
- Stores recipe libraries locally with SQLite and rejects malformed stored data.
- Domain logic written in strict TypeScript and covered by automated tests; built from my professional experience as a baker.

EDUCATION

Universidad Cenfotec Mar 2026 – Present

- Software Engineering (Mar–Dec 2026), moving to the Bachelor's Degree in Cybersecurity in January 2027.

Universidad Fidélitas — Advertising (curriculum completed) 2020

Platzi — courses, including: ISO 27001:2022 Certification for Companies, Introduction to Pentesting, Preventive Cybersecurity, Object-Oriented Python, FastAPI, Flask, PostgreSQL; C and C++ Programming path.

EXPERIENCE

3D Factory — Marketing and Digital Projects Collaboration Current
Collaborated on marketing and software proposals integrating NFC tags into 3D-printed designs.

D'Angelo — Bakery Lead Apr 2025 – Nov 2025
Coordinated daily tasks and priorities for the bakery area and supervised quality during high-demand production.

Apotecario — Pastry Cook Jan 2023 – Apr 2025
Executed production processes with quality standards, defined timelines, and attention to detail.

LANGUAGES

Spanish: Native · English: B2 (verified by Platzi English Academy)