JUAN IDROVO

Privacy, Security and Compliance (GRC) | Lawyer with Security Engineering Experience
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Open to roles in the Netherlands and to remote contract work

PROFESSIONAL SUMMARY

Lawyer and information security practitioner who translates legal and regulatory requirements into operating controls. Supported SOC 2 Type II certification at Kriptos, triaging vulnerability findings across 220+ repositories. Responsible for information security at Grace Nelson Attorneys at Law: least-privilege identity and access management (IAM) in Microsoft 365, email authentication (SPF, DKIM, DMARC), sandboxed AI agents, security monitoring and backups. CompTIA Security+; Post Graduate Program in Cybersecurity, University of Texas at Austin (GPA 4.13/4.33); LLM in Law and Technology (Privacy & Security track), Tilburg University, in progress.

SKILLS

Governance, risk and compliance (GRC): SOC 2 Type II; ISO/IEC 27001; General Data Protection Regulation (GDPR); EU AI Act; Ecuador LOPDP; policy versioning and audit trails

Security operations: Vulnerability management (Amazon Inspector, AWS Security Hub, SonarQube, Trivy); security monitoring (Wazuh SIEM); incident response and post-incident reviews; compliance automation (Vanta)

Identity, cloud and network: Microsoft Entra ID and Microsoft Graph permissions; AWS Identity and Access Management (IAM); private network access (Tailscale); systemd sandboxing; Cloudflare; SPF, DKIM and DMARC

Engineering: Python, TypeScript, React, Next.js, PostgreSQL, Docker

CERTIFICATIONS

CompTIA Security+ ce | CompTIA | Jun 2026 (valid until Jun 2029)

AWS Certified Cloud Practitioner | Amazon Web Services | Sep 2025

Cybersecurity Professional Certificate | BrainStation (Konrad Group) | Jan 2025

Financial Accounting | Harvard Business School Online | Jul 2022

WORK EXPERIENCE

Frontend Developer and Cybersecurity Analyst (Contract)

Oct 2024 - Mar 2026

Kriptos Inc., Miami, FL, USA (Remote)

- Developed the frontend of the Update Manager platform, used by enterprise clients including Latin American banks to deploy and monitor Windows security agents across thousands of endpoints: 37,000+ lines of production TypeScript and React as the main contributor to the core repository, including real-time agent status, automated deployment workflows and role-based access control (RBAC).
- Supported SOC 2 Type II certification by triaging findings from SonarCloud, Amazon Inspector and Hexstrike across 220+ repositories and coordinating remediation with development teams; implemented security fixes in the main frontend (authentication flows, dependency updates, input validation) without delaying feature delivery.

Legal Engineer and IT Lead (Contract)

Oct 2022 - Present

Grace Nelson Attorneys at Law, Cuenca, Ecuador (Remote)

- Designed, built and operate an AI paralegal for the firm's shared mailbox: each client email triggers a sandboxed Claude agent that updates the client file, files attachments, consults a cited knowledge base and drafts an unsigned reply in Outlook for attorney approval. Median 2.2 minutes from email to draft (November 2026); 2.8% failure rate across 1,379 runs.
- Lead the firm's information security: least-privilege Microsoft Graph permissions (send rights removed and verified), DKIM and DMARC, sandboxed agent runs that can change only one client's file, administrative access only over a private network, self-hosted Wazuh monitoring, versioned off-site backups and daily snapshots; write post-incident reviews and remediate root causes.
- Developed the pipeline specification-first in Python (~38,000 lines, 2,869 automated tests): Microsoft Graph polling, a SQLite event queue, sandboxed systemd services and timers, retries, usage limits and health alerting; every deployment gated by the full test suite.

Founder and Lead Developer

Jan 2023 - Present

Markatzy, Trademark Protection Platform (markatzy.com)

- Designed, built and launched independently a trademark protection platform for the Ecuadorian intellectual property market, in production with a free tier. For a firm with 100 brands, it replaces more than 170,000 manual comparisons per month and narrows results to the conflicts that warrant attorney review.

- Designed for multi-tenant security: organization-scoped queries enforced at the API layer, tiered rate limiting against registry scraping, hashed IP addresses, idempotent payment webhooks, and audit trails for data corrections and administrative actions.

Attorney Associate Apr 2021 - Oct 2022

Grace Nelson Attorneys at Law, Cuenca, Ecuador

- Managed immigration procedures for 100+ U.S. nationals per year with a 98%+ approval rate and coordinated 50+ real estate closings.

Intellectual Property (IP) Attorney Jan 2022 - Oct 2022

IMBAIP Cia. Ltda., Quito, Ecuador

- Managed registration, opposition and appeal proceedings for 200+ trademark applications before SENADI, Ecuador's national IP office, and drafted enforcement actions against infringers.

EDUCATION

LLM in Law and Technology, Privacy & Security track (in progress) Aug 2026 - Aug 2027 (expected)

Tilburg University, Netherlands

Privacy and data protection law, cybersecurity law and the regulation of AI.

Post Graduate Program in Cybersecurity Sep 2025

University of Texas at Austin, McCombs School of Business, USA

Executive education, certificate of completion; GPA 4.13/4.33. Network security, modern cyber attacks, security controls, governance, risk and compliance (GRC).

Software Engineering Diploma Oct 2024

BrainStation (Konrad Group), London, United Kingdom

Winner of the Lloyds Banking Group partnership hackathon (fraud detection prototype) and of a scholarship for cybersecurity training.

Abogado (Law Degree, J.D. equivalent) Apr 2021

Universidad San Francisco de Quito, Ecuador

Thesis on central bank digital currencies in dollarized economies. Coursework in intellectual property, technology law and international commercial law.

PROJECTS

signal-watch: AI infrastructure research pipeline 2026

Python data pipeline with 20 collectors (SEC filings, memory prices, Taiwanese and Korean trade data, grid interconnection queues, earnings-call keywords) loading SQLite; weekly scoring of a written investment thesis, reviewed by a sandboxed Claude agent and delivered as an email report; backtest of trading rules against SMH and a fixed control portfolio; Datasette site on a private network; nightly backups to Amazon S3.

LANGUAGES

Spanish: native | English: C2