

DAN BORGOGNO

Security Researcher & Security Engineer

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PROFILE

Security Engineer and researcher with 12+ years of experience in offensive security, cloud architecture, and automated security platforms. Led security programs for fintech and cyber-insurance companies, architected AI-powered vulnerability assessment platforms, and discovered critical vulnerabilities in national infrastructure. International speaker at DEF CON (main track) and ekoparty. Expert in Android security, reverse engineering, and payment systems.

EXPERIENCE

Freelance Web Developer

Independent, Río Cuarto

⌚ 2010 – Oct 2014

- Dynamic website development: analysis, design, implementation, and testing adapted to customer requirements
- Content management system development

Freelance Security Consultant & Researcher

Independent, Córdoba

⌚ 2013 – Present

- Custom penetration testing and security audits for enterprise clients
- Expert in Android application security using Frida and reverse engineering (Ghidra, JADX)
- Discovered critical vulnerabilities in SUBE (national transportation) and DNI Digital Argentino (national digital identity)

Front-end Developer

Globant, Córdoba

⌚ Oct 2014 – Aug 2015

📍 Software consulting

- JavaScript developer for Southwest Airlines' main website, developing single-page applications
- Daily collaboration with U.S. stakeholders in English

Java Developer / SDL Champion

McAfee (Intel Security), Córdoba

⌚ Aug 2015 – Jul 2019

📍 Cybersecurity product division

- Developed core components for McAfee Active Response, a leading enterprise threat detection platform
- Served as Security Development Lifecycle Champion, establishing secure coding standards
- Led global threat-hunting engineering team as Scrum Master

Back-end & Cloud Services Developer

MercadoLibre, Córdoba

⌚ Feb 2019 – Apr 2020

📍 E-commerce and logistics platform

- Developed high-throughput backend systems (Java & Go) for logistics operations serving millions of transactions
- Built scalable microservices and REST APIs leveraging distributed data stores and AWS infrastructure

Security Engineer (Red/Blue Team & Architecture)

NaranjaX, Córdoba

⌚ Apr 2020 – Oct 15, 2022

📍 Fintech / Digital Banking

- Led penetration testing and security assessments for critical financial services infrastructure
- Enhanced threat detection capabilities across red and blue teams, reducing mean time to detection
- Architected secure system designs and established security training programs

Principal Security Engineer / Acting CISO

Latu Seguros, Córdoba

⌚ Oct 2022 – Aug 2025

📍 Cyber-insurance startup

- Architected and led all security initiatives, establishing comprehensive security program from ground zero
- Built enterprise-grade AWS security (IAM, Cognito, GuardDuty, CloudWatch, Config, S3, VPC) and deployed CrowdStrike EDR
- Performed security code reviews and penetration testing across all production systems
- Architected AI-powered automated attack-surface assessment platform: distributed orchestration managing multiple security tools (Nmap, Nuclei, Burp Suite), automated security assessments, integrated Anthropic Claude LLM with agentic framework, and developed proprietary scoring algorithms
- Led security assessments for enterprise clients and executed manual penetration tests for major financial institutions

SECURITY RESEARCH & TALKS

- **DEF CON (Main Track, 2024)** — "Invisible Transactions: Hacking Screenless Bluetooth POS Devices" (with Ileana Barrionuevo). Research on mobile POS vulnerabilities impacting IoT, NFC, and EMV payment security
- **Ekoparty 2020** — "Hacking the Digital DNI" (Best Talk Award). Security research on Argentina's national digital identity system
- **Ekoparty 2019** — "Free rides! SUBE, REDBUS, SATBUS and others" (Best Talk Award). Vulnerabilities in national transportation payment systems

TECHNICAL SKILLS

Offensive Security

Penetration Testing

Reverse Engineering

Cloud Security

Android Security

Web Security

Languages: Go, Java, Python, Kotlin, Ruby, C/C++, Assembly, JavaScript/TypeScript, Bash, SQL

Cloud & Infrastructure: AWS (IAM, Cognito, GuardDuty, CloudWatch, Lambda, EC2, S3, VPC), Docker, Kubernetes, Terraform

Offensive Tools: Burp Suite, Nmap, Metasploit, Nuclei, SQLMap, GraphQL testing, Wireshark, Hashcat, Hydra

Reverse Engineering: Frida (expert), Ghidra, IDA Pro, JADX, APKtool, Objection, MobSF

Defensive Security: CrowdStrike EDR, ELK Stack, AWS GuardDuty, CloudWatch, Google Workspace

Methodologies: OSCP-level testing, OWASP Top 10, PTES, threat modeling, secure SDLC, red/blue team exercises

EDUCATION

National University of Río Cuarto, Córdoba

Computer Science / Systems Analyst

⌚ 2008 – 2014

📍 GPA 7.3/10

AWARDS & RECOGNITION

- Best Talk Award — Ekoparty 2019 & 2020
- DEF CON Main Track Speaker — 2024

LANGUAGES

Spanish (Native)

English (Advanced / Professional)