



COLIN DOMONEY

SECURITY RESEARCHER AND EVANGELIST LIVERPOOL, UNITED KINGDOM +447939566551

◦ DETAILS ◦

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◦ LINKS ◦

[Linkedin](#)
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◦ SKILLS ◦

Software Security
Security Research
Hardware Design
CTO / Architect
Public Speaking
Effective Team Leader

◦ LANGUAGES ◦

English

Afrikaans



PROFILE

With 30 years of experience in hardware and software design, I am a passionate advocate for safe and secure systems. My expertise includes creating highly fault-tolerant military communication systems, designing hardware security modules for the finance industry, and developing pulse oximeters. I have also secured build systems for the automotive industry, implemented large-scale Application Security programs, consulted with Fortune 500 companies on their DevSecOps strategy, and recently focused on promoting the importance of API security.

I have conducted multiple webinars and spoken at various industry events on the topic of API security. Additionally, I publish a weekly newsletter on this subject and am currently in the final stages of writing the industry's first book on API security. In my spare time, I maintain my interest in hardware engineering by conducting security reverse engineering and researching consumer devices in my own home laboratory.



EMPLOYMENT HISTORY

Security Consultant at Randstand NL, Liverpool, England (Remote)

Sept 2023 — Dec 2025

Serving as the security liaison for Randstad's R-One and WA-One strategic programs, ensuring comprehensive security implementation from initial design through to production deployment. Working closely with engineering teams to embed security practices throughout the software development lifecycle.

Core responsibilities include reviewing technical architectures to identify security gaps and providing actionable recommendations to the architecture board. Developing security guidelines and delivering training to development teams to build internal security competence. Coordinating all security activities including penetration testing and architecture reviews, while providing regular updates to the CISO office with go-live recommendations.

Key deliverables encompass ensuring programs launch with security best practices implemented and all high/critical risks resolved, producing comprehensive documentation including security guidelines, risk assessments, and architectural decisions, and creating complete threat models and security gap assessments.

Chief Technology Evangelist at 42Crunch, Liverpool, England (Remote)

Aug 2021 — Present

In my role as the Chief Technology Evangelist at 42Crunch, I serve as the company's spokesperson at various industry events and webinars. I also oversee the creation of a weekly newsletter about API security and produce content on various API security topics for both internal and external audiences.

My primary objective is to ensure that customers achieve positive outcomes for their API security. I will guide them in comprehending their current level of maturity and pinpointing core areas for improvement to enhance their overall security posture.

○ **Security and Cloud Architect at CyberProof, Liverpool, England (Remote)**

Jan 2020 — Aug 2021

As a security and cloud architect, I confidently collaborated with CyberProof's major clients worldwide to protect their on-premise and Azure cloud environments. My core responsibilities encompassed assessing their current maturity and risk levels and effectively guiding them towards adopting a secure posture.

○ **Consultant at Codethink, Manchester, England**

Jan 2019 — Jan 2020

I was fortunate enough to work with a leading German car manufacturer and their South Korean development partner. Our main objective was to fortify and safeguard their build system, guaranteeing the secure and reliable delivery of vital in-car electronic solutions. Core activities involved ensuring that distributed builds were repeatable and reproducible.

○ **Senior Principal Transformation Consultant at CA Technologies, London, England**

Jan 2018 — Dec 2018

During my time with the digital transformation team, I held the position of lead consultant. My primary role involved advising key customers on the importance of incorporating security into their digital transformation journey. I was responsible for analyzing build and release platforms and providing recommendations for including software security testing.

○ **Consultant Solution Architect at Veracode, London, England**

Apr 2016 — Jan 2018

During my time as a Solution Architect at Veracode, my main goal was to help customers use Veracode's software scanning technology without slowing down their delivery process. To achieve this, I developed a strong knowledge of modern CI/CD build systems, expertise in deploying and optimizing Veracode's technology, and a deep understanding of the security concerns of our customers' application teams.

My primary responsibility was to consult with our top customers and create thought leadership content related to DevSecOps. This involved sharing my insights both online and at various conferences.

○ **Vice President at Deutsche Bank, London**

Mar 2012 — Apr 2016

As a technical specialist in the newly formed Application Security team, I led an effort to enhance the bank's application security. My primary responsibility was overseeing a comprehensive static code analysis program, which involved scanning most of the bank's critical application portfolio using a reliable SaaS static code analysis tool. The program was massively successful in reducing risk exposure by addressing several million vulnerabilities in over 5,000 applications.

Functioned as the primary application security specialist for the bank's new retail platform.

- Ensured the adoption of static code analysis within a multi-vendor/multi-region project.
- Conducted flaw reviews with vendor teams to develop a remediation plan based on risk assessment of detected flaws.
- Led detailed remediation workshops with vendor teams to ensure flaws were adequately remediated, or suitable compensatory controls were provided where code fixes were impossible.

○ **Consultant at The Technology Partnership, Cambridge, England**

Feb 2010 — Nov 2011

I created a simulator for virtual patients that allows medical instruments to be tested and validated. I oversaw the development of a software application that can execute algorithms on a large server cluster using .Net and WCF. I worked closely with client teams to determine data interchange formats, performance requirements, and verification strategies.

○ **Senior Design Engineer at Sigmatel / Trekstor, Cambridge, England**

Jul 2006 — Nov 2009

Established TrekStor's Cambridge R&D team assuming responsibility for staff recruitment and line management (team of six members). Established IT, software, and hardware infrastructure; and integration with head office (Germany) product management and IT functions.

○ **Design Engineer at nCipher Corporation Ltd, Cambridge, England**

Jan 2001 — Jun 2006

Developed an ARM9 based miniature security processor module and associated smart-card reader. Developed all hardware and firmware and performed extensive penetration testing and firmware integrity testing. Designed all hardware for a 19" rack mount network security product comprising a front panel display board and several interface PCBs.

○ **Systems Engineer at Consultancy in Advanced Technology, Durban, South Africa**

Jan 1993 — Nov 2000

Developed a secure "mobile telephone" to provide secure communications over the GSM network. Developed all hardware and firmware and system design, including key exchange mechanisms and intrusion protection. Developed a cryptographic accelerator module consisting of an FPGA for stream cipher functions and an exponentiation device for public key functions. Conducted security audits on the company product range.



EDUCATION

○ **MSc. Engineering Management, Brunel University, Brunel**

2008 — 2014

Graduated with Merit

○ **BSc. Electronic Engineering, University of KwaZulu-Natal, Durban**

1987 — 1990

Graduated Summa Cum Laude