Tomasz Kramkowski

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A software and security professional with over a decade of combined experience in software engineering and security consulting. An open-source contributor with contributions to famous projects such as the Linux kernel and htop. A dedicated learner and tinkerer often working on unusual personal projects.

Experience

NCC GROUP PLC | Senior Security Consultant
June 2022–Present | Remote (Milton Keynes)

NCC Group is a large international information assurance and software escrow firm. My primary responsibilities involve working directly with customers to gather and understand requirements, provide accurate estimates for, and deliver security engagements. Most notably, I:

- Successfully lead complex, 100+ person day, 15+ phase engagements.
- Independently reverse engineered Microsoft Intune related protocols to develop and publish two internal tools to help internal Linux users.
- Applied deep Linux and containerisation knowledge to solve high-impact customer issues.
- Contributed my extensive knowledge on topics such as cryptography and Linux to internal knowledge bases and as part of presentations.

NCC GROUP PLC | Security Consultant
January 2020–June 2022 | Remote (Milton Keynes)

- Mentored fellow consultants in their self development of programming skills.
- Helped engineers and executives of large customers (such as Huawei, Microsoft and Google) understand software security issues at various levels of analysis.
- Worked on technical due diligence efforts, on behalf of customers, as part of multiple mergers and acquisitions.
- Had a deep involvement in secure code review and assessments of native applications which often involved reverse engineering.

NCC GROUP PLC | Junior Security Consultant
April 2019–January 2020 | Milton Keynes

- Developed tooling for and delivered three bespoke security assessments on-site in China.
- Received recognition and internal awards for my performance.
- Contributed to the book "Effective C" by Robert C. Seacord by utilising my C expertise to review early drafts.

DENTSYS LTD | Programmer
August 2014–April 2019 | Nottingham

Dentsys specialises in developing dental practice management software. My primary responsibilities involved developing and maintaining the company's products and supporting infrastructure. Some notable achievements include:

- Improved the performance of a data acquisition job by a factor of 30.
- Streamlined various aspects of the development process, improving productivity.
- Designed and implemented a well received, modern, performant graphical periodontal charting system.
- Implemened and documented a replacement office network.
- Reduced maintenance burden and complexity of email and web infrastructure.

Skills

PROGRAMMING

C • **Python 3** • **Rust** • C++ • Lua • Erlang • Elixir • Assembly • Java • Shell (Bash, sh) • Go

SECURITY

Source Code Review • Threat Modelling • Application Security • Security Architecture • Consultancy

TECHNOLOGY

Linux • Git • Radare2 • Ghidra • Nessus • Nmap • Metasploit • Wireshark • FreeBSD • OpenBSD • Containerization (Linux Namespaces/Cgroups) • IPv4 and IPv6 Networking

Education

3AAA
Level 3 BTEC in ICT
2014–2015 | Nottingham

BILBOROUGH COLLEGE
A Level Maths and Physics
2012–2014 | Nottingham

Spoken Languages

English — Fluent
Polish — Native

Personal Projects

Espresso machine firmware
(Rust, ESP32, STM32)
Temperature control, programmable pressure and flow profiling, stop-on-weight, and a touchscreen UI.
Home automation
(Rust, Bash, MQTT, Zigbee)
MQTT event routing to allow automation using bash scripts.
Configuration automation
(Python, SSH)
Ansible replacement to centralise configuration of a zero trust wireguard overlay mesh network crossing NAT boundaries.