Chris Selwood

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Profile

A Distinction MSc Cyber Security graduate (2025) and ISC2 Certified in Cybersecurity (CC) professional, seeking graduate roles in cyber security.

Focused on AI-driven threat intelligence, network security, ISO-compliant ISMS design, red team operations, vulnerability assessments, and applied cryptography. Currently studying towards Security+ (CompTIA). Known for adapting quickly, simplifying complex problems, and turning technical insight into measurable success.

Skills

- **Cybersecurity and Frameworks:** PTES, Threat Modelling, ISO 27001, NIST
- **Threat Intelligence and AI:** Developed AI-driven credential misuse detection framework using Python and Machine Learning
- **Ethical Hacking and Application Security:** Penetration Testing, Incident Response, and Vulnerability Analysis, using Metasploit and OSINT
- **Cryptography:** AES, RSA, SHA
- **Programming and Scripting:** Python, Bash, using Kali Linux (security testing), C#, JavaScript

Education

CC - Certified in Cybersecurity
ISC2 (October 2025)

MSc (Cyber Security) with Distinction
University of Westminster (Sep 2024 – Sep 2025)
- Developed an AI-powered credential misuse detection framework, achieving **94%** attack mitigation and **100%** credential detection in realistic simulations
- Conducted full-scope red team operations on live Active Directory and Ubuntu environments, successfully identifying vulnerabilities, compromising key assets, and demonstrating actionable security gaps
- Designed and implemented **ISO/IEC**-aligned **ISMS** processes, enhancing threat detection and reducing risk exposure
- Currently **co-authoring** an IEEE research paper on AI-driven credential misuse detection with Dr Ayman El-Hajjar (University of Westminster) **post-graduation**.

BEng Software Engineering (1st Class Honours)
University of Westminster (Sep 2014 – Jul 2017)

In Progress
- Security+ (CompTIA)

Experience

Duty Manager

Sainsbury's (Jul 2022 – Aug 2024)
- Improved workflows, boosting performance by 10% and reducing costs by 30% through planning, process optimisation and forecasting
- Implemented JIT processes, reducing waste by 30% and accelerating throughput by 40%
- Maintained strict regulatory and operational compliance, maintaining KPI consistency over two years through monitoring and coordination

Operations Controller

Zapi UK (Dec 2021 – Jun 2022)
- Introduced forecasting methods, cutting client delays by 75% through data-driven logistics planning
- Implemented KPI monitoring, improving operating efficiency by 20% and reducing labour hours by 10%
- Improved data management with SAP/Oracle and optimised SQL. Increased data processing speeds by 60%

Data Engineer

Stef & Philips (May 2020 – Nov 2021)
- Reduced delivery delays by 75% with data-driven planning and automated Salesforce solutions
- Developed custom project management scripts, reducing administrative time by 50% and enabling real-time client monitoring
- Optimised purchase workflows, reducing overspend from 25% on budget to 5% and halving correction time

Data Analyst

Sainsbury's (Jul 2018 – April 2020)
- Optimised inventory levels, raising stock availability KPI above 90%, and cutting perishable waste by 50%
- Implemented KPI monitoring tools, driving 5% year-on-year growth in underperforming areas

SQL Developer

Marks & Spencer (Dec 2017 – Jun 2018)
- Reduced batch loading time by 50% and automated global tax updates, saving one day a week and improving accuracy
- Led a high-impact project correcting historical billing discrepancies, recovering £3m in overspend over six months
- Audited and resolved SQL batch processing errors, preventing over £100,000 a week in global overspending and improving workflows