ARCHIE COOK

Graduate Security Analyst | Junior Penetration Tester

BSc (Hons) Cyber Security · three client websites delivered · 16 modules of coursework published with full source
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PROFILE

Cyber security graduate who has been accountable for live systems rather than lab environments: five months as sole owner of security for a payment-handling subscription platform with no security incidents, and 12 months processing confidential NHS health data under GDPR with no data-handling incidents. Now running a limited company that has designed, built and handed over three client websites, so the work includes scoping, delivery and support as well as code. Formally trained in offensive security through the BSc Cyber Offence module, with three years of coursework published as a browsable portfolio with full source. Ready to begin OSCP or CompTIA Security+ with employer training support.

TECHNICAL SKILLS

Offensive Security penetration testing methodology · vulnerability assessment · web application testing · privilege escalation · OWASP Top 10 · IoT device hardening

Tooling Nmap · Burp Suite · Metasploit · Wireshark · Kali Linux · CTF (HackTheBox, TryHackMe)

Defensive & IR incident response · network security · monitoring and detection · network intrusion detection · incident reporting · business continuity planning

Secure Delivery Content Security Policy · security headers · HTTPS and HSTS · input validation · spam and header-injection defences · dependency-free front ends

Scripting & Code Bash · Python (Flask) · PHP · JavaScript · TypeScript · C++ · SQL (MySQL, SQL Server) · HTML5 · CSS

Governance GDPR · AML · confidential data handling · cyber crime law and ethics

EXPERIENCE

DIRECTOR & FOUNDER | AJWC Tech Consulting Ltd — Jan 2026 – Present

- Designed, built and handed over three client websites in 2026: a Bristol audio-hire company, a recording artist, and an Oracle consultancy. Each was delivered with documentation so the owner can maintain it without me.
- Built the Oracle consultancy site to make no external requests at all, with every font, script and asset served from the client's own domain, because the enterprise networks its buyers sit behind block third-party CDNs.
- Wrote the hardening for my own production site and the client builds: Content Security Policy, security headers, HSTS, and a contact handler with honeypot, rate limiting, same-origin checks and header-injection defences.
- Authored six Oracle Fusion OTBI training courses for White Phoenix Digital Solutions Ltd, with exercise workbooks across Financials (AP, AR, GL), HCM and Procurement, and replaced their manual Excel reporting with coded dashboards, cutting the monthly cycle from hours to minutes.

LEAD WEB DEVELOPER (FREELANCE) | scoutnonleague.com — Aug 2025 – Dec 2025

- Built and launched a full subscription platform to specification, including checkout and recurring payment integration.
- Sole owner of platform security across five months of live operation handling member payment and personal data. No security incidents or breaches; hardened against the OWASP Top 10 before go-live.

CALL AGENT, DHSC IAS & NHS TEST & TRACE | Sitel — Oct 2020 – Sep 2021

- Sustained up to 200 outbound calls a day across Tier 3 contact tracing and International Arrivals. No data-handling incidents under GDPR across 12 months; contract repeatedly extended on quality and reliability.

CUSTOMER SERVICE MANAGER | Ladbrokes — Jul 2022 – Dec 2022

- Reconciled tills and gaming machines daily with no cash variance across six months, under AML and Responsible Gambling controls.

EARLIER ROLES | STEL Tools · Polly's Tea Rooms · The Botanist — 2019 – 2024

- Magento and PHP development and catalogue data work at STEL Tools; website rebuild and social campaigns for Polly's Tea Rooms; bar work at The Botanist alongside full-time study. Detail in the full CV.

SELECTED COURSEWORK

All work is browsable with full source at ajwctechconsulting.com and github.com/AJWCTech, in the repositories uni-year-1, uni-year-2, uni-year-3 and AJWC-Portfolio-Site.

Cyber Offence, 3rd year. Authorised penetration testing end to end: scoping, enumeration, exploitation and written reporting against target systems.

Cyber Defence and Intrusion Analysis, 2nd and 3rd year. Monitoring, detection and response operations, with a formal incident report.

Securing IoT Devices, 3rd year. Assessment and hardening of connected devices against known attack classes.

EDUCATION

BSc (Hons) Cyber Security, Bath Spa University, 2025. Result: 2:2. Key modules: Cyber Offence, Cyber Defence, Intrusion Analysis and Response, Securing IoT Devices, Network Administration, Databases. Codelab 1 (C++): first-class grade.

BTEC Level 3 Extended Diploma in Computing, New College Swindon, 2020. GCSEs including Maths and English, St John's School, Marlborough.