Jason Thomas Craig

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PROFILE

Highly motivated and technically proficient candidate seeking entry into the Australian Defence Force 2027 Apprenticeships Program. Currently expanding formal qualifications through a TAFE IT course while actively developing advanced practical expertise in offensive security, low-level systems programming, and operational security (OPSEC). Possesses a strong foundation in physical security systems and IT infrastructure, complemented by independent development of custom C2 frameworks and OSINT reconnaissance tooling. Eager to leverage analytical problem-solving skills, rigorous attention to detail, and a dedication to serve within a government and defence capacity, specifically in Cyber Security or Signals roles.

CORE COMPETENCIES & TECHNICAL SKILLS

- **Cybersecurity & Networking:** Red-team penetration testing concepts, Open-Source Intelligence (OSINT), network traffic analysis (Wireshark), secure communications (libssh), and POSIX socket programming.
- **Systems Programming & Environments:** Extensive experience in C/C++ with manual memory management, Linux environments (Parrot OS, Fedora), and Android architecture (JNI app behavior, background service optimization).
- **Software Development:** Terminal User Interface (TUI) development using Notcurses, functional programming, modular system design, and regex-based automation.
- **Programming Languages:** C/C++, Python, Java, C#, HTML, CSS, JavaScript.
- **Hardware & Electronics:** Basic circuitry, microcontroller programming, CCTV (Analogue & Digital), Access Control, and Intercom systems.

INDEPENDENT CYBERSECURITY & SYSTEMS PROJECTS

Offensive Security & Systems Developer | *Independent / Hobbyist | 2023 – Present* Actively researching and developing software with a focus on low-level systems and security applications.

- **RATSwarm (Command & Control Framework):** Engineered a modular C2 infrastructure featuring a custom C++ agent and a server interface built entirely with the Notcurses library. Designed the system for secure, encrypted communications utilizing POSIX sockets and libssh integration.
- **ShadowOSINT (Reconnaissance Tooling):** Developed a custom intelligence-gathering utility designed to automate search engine data extraction. Implemented complex regex logic to facilitate username pivoting across multiple platforms, including GitHub, Instagram, and TikTok.
- **Mobile Architecture & Persistence Research:** Investigated Android 16 JNI behavior and system-level rules, successfully implementing strategies to bypass battery optimization for persistent, 24/7 background agent functionality on unrooted devices.
- **Network Security Validation:** Conducted rigorous local network traffic analysis utilizing Wireshark to inspect packet data and verify the integrity of encryption implementations between custom client-server communications.

EDUCATION & TRAINING

Certificate in Information Technology (Currently Undertaking) *TAFE NSW*

Year 10 Record of School Achievement (RoSA) *Bishop Tyrell High School | Completed 2023*

TECHNICAL WORK EXPERIENCE

IT & Security Systems Technician (Work Experience) *TXM Group 1 Services | June 2023*

- **Security Infrastructure:** Performed maintenance checks, diagnostics, and troubleshooting for analogue and digital CCTV, intercoms, and access control systems to ensure operational readiness and facility security.
- **IT Systems Support:** Maintained desktop computer systems and addressed performance issues, ensuring smooth daily operations for the technical team. Routine maintenance and performance optimization for Windows Server environments.

Mechanical Assistant (Work Experience) *Taurus Mechanics | August 2023*

- Assisted in the troubleshooting and repair of various mechanical systems, developing strong mechanical aptitude and strict adherence to safety protocols in a workshop environment.

EMPLOYMENT HISTORY

Demonstrating a strong work ethic, reliability, and the ability to thrive in high-paced, high-pressure team environments.

- **Kitchen Hand & Cleaner** | *XS Espresso (Kotara/Jesmond/Glendale) | 2024 – Present*
- **Kitchen Hand & Cleaner** | *Maryland Tavern | 2023*
- **Kitchen Hand, Cook & Cleaner** | *Collery Inn | 2022*

PROFESSIONAL REFEREES

Tony Maatouk CEO, TXM Group 1 Services **Phone:** 0488 088 273

Khalid Al-Ali Owner, Taurus Mechanics **Phone:** 0414 940 766