Tom Mahoney

Contact

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Skills & Proficiencies

- DevSecOps Review
- Secure Code Review
- Security Engineering
- Compliance and Auditing
- Web Apps Penetration Testing
- Reverse Engineering
- Binary Analysis
- Packet Analysis
- Technical Presentation
- Report Writing
- Research and Documentation
- Python
- Shell Scripting
- GitHub/GitOps
- Wireshark
- Burp Suite
- Embedded Systems & IoT
- Azure Static Web Apps
- Azure Virtual Machines

Profile

I am a cybersecurity graduate with a passion for security and proven track record on delivering client satisfaction. Since joining the industry as an associate security consultant, I have developed a strong focus on application security, web application penetration testing and secure software development.

After leaving a long career at Apple I joined the dynamic start-up environment at Jepsec to rapidly up-skill and use my attention to detail to help the company grow. My exceptional collaboration and communication skills allow me to easily engage with clients at varying company levels, from developers to directors.

I ensure that I stays current with industry trends through continued professional development and active community engagement. I am an enthusiastic professional at the beginning of my cybersecurity career. I am dedicated to delivering the best possible experience for my clients and excited to take the next step in my journey.

Education

Master of Information Technology

Queensland University of Technology. Major in *Cybersecurity and Networks,* 2020

Bachelor of Engineering

University of Queensland. Major in *Mechatronic Engineering*, 2010

Certifications

Microsoft Azure Fundamentals (AZ-900), 2024

Apple Certified Macintosh Technician, 2015

Apple Certified iOS Technician, 2014

Hot Hack 2024 Competitor (Second Place)

PentesterLab Badges

- Green Badge (Ongoing)
- Blue Badge
- Yellow Badge
- Serialize Badge
- White Badge
- HTTP Badge
- PCAP badge
- Essential Badge
- Unix Badge
- Introduction Badge

Recent Experience

Associate Security Consultant

Jepsec

August 2023 to Present

Jepsec's clients range across the Defence Industry, Federal and State Government, and Critical Infrastructure. As an Associate Security Consultant, I support the company in delivering our services, including:

- DevSecOps Review
- Secure Code Review
- Security Engineering
- Compliance and Auditing

Notable Achievement

I worked with an open-source security tool that is shipped with Kali Linux to review their GitOps and offered remediations to improve the project's security posture. I quickly upskilled in the project's codebase and version management strategy and developed remediations that would be accepted by the project's open-source community.

Information Systems and Technology Developer

Apple (secondment)

June 2021 to November 2021

During my secondment as an IS&T Developer, I conducted a security analysis of an internal project, identified vulnerabilities and suggesting improvements to increase the security posture of the app. I had the opportunity to collaborate with cross-functional teams across APAC, EMEIA, and AMR, and presented to Senior Director-level stakeholders.

Notable Achievement

I ported an iOS proof-of-concept software project to macOS, demonstrating language agnostic reverse engineering and cross-platform development skills.

Genius

Apple

October 2015 to December 2022

As a Genius, I managed and maintained installation and update images for client devices, streamlining the deployment process and reducing downtime. A Genius must provide expert-level hardware repairs and support for Apple's desktop, wearable, and mobile devices; I did this while being nationally recognised for exceptional customer service and technical expertise.

Notable Achievement

On several occasions I collaborated with internal developers to troubleshoot emerging firmware update issues, resulting in faster resolution times and increased client satisfaction.