



Tom Mahoney

Contact

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Skills & Proficiencies

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

About Me

I am a cybersecurity professional with a proven track record in 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, secure code review, DevSecOps best practice and the broader secure software development lifecycle.

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 stay current with industry trends through continued professional development and active community engagement. I am dedicated to delivering the best possible experience for my clients, enthusiastic about my cybersecurity career 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

TCM Security's Practical Network Penetration Tester, 2024 (ongoing)

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 September 2024

Jepsec serves clients in the Defence Industry, Federal and State Government and Critical Infrastructure. As an Associate Security Consultant, I support the company in delivering our services. My responsibilities include:

- Secure Code Review – Performing white-box web application penetration testing.
- DevSecOps Review – Reviewing client software development and deployment practices.
- Compliance and Auditing – Performing Essential 8 assessments and recommending appropriate remediations or controls.

Notable Achievements

I led a web application penetration test for a client in a critical industrial sector. The client engaged Jepsec to review a new internal web app with a tight go-live deadline but was unable to provide Jepsec access to a live instance in the timeframe. I was able to isolate critical sections of the code and perform the penetration test in a stand-alone environment. Despite the restrictions I verified the client's code and delivered the report by the deadline.

I acted as the lead consultant when an open-source security tool engaged Jepsec to review the project's DevSecOps practices and provide remediations to improve their security posture. I reviewed the current versioning strategy and existing security practices to develop remediations that would be accepted by the project team leads and the wider project 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, EMEA, 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. 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.