

Simon Wardan

Principal Engineer · Technical Consultant

📍 Sydney, NSW, Australia

📞 +61 490 823 179

✉️ simon@wardan.com

🌐 github.com/sfw185

SUMMARY

25+ years of technical consulting and engineering leadership, bridging business and technical teams. I've worked with applied AI since Google's early DialogFlow (2017), embedding **intelligent components into production products** across healthcare and insurance — and today architect **enterprise AI/ML and cloud-native systems**, from new video models to systems sustaining thousands of requests per second. Proven track record for major clients including **Bupa** and **Qantas**, as primary technical advisor and mentor across healthcare, transport, e-commerce and government.

PROFESSIONAL EXPERIENCE

Founding Engineer, **Coreflow**

Apr 2026 — Jul 2026

- Rebuilt part of the product, cutting its error rate from **~90% to well under 1%**
- Owned major product updates end-to-end — shipped **3 new video models** and optimised self-hosted ones
- Found and fixed **critical security vulnerabilities** that impacted product security

CORE EXPERTISE

Solution Architecture

Enterprise AI/ML

Cloud-Native (AWS)

Engineering Leadership

Technical Consulting

Stakeholder
Management

Application Security

Rapid Prototyping

Performance & Load
Testing

Agile / Scrum

LANGUAGES

Python

TypeScript

JavaScript

Swift

C#

Ruby

Lead Consultant → Principal Engineer, **Terem Technologies**

Oct 2013 — Apr 2026

Qantas

Jetstar

Bupa

QBE

Chemist Warehouse

TfNSW

ATO

- Served as **primary technical advisor**, delivering **dozens of projects** for enterprise clients across aviation, insurance, healthcare, government and retail
- Architected **cloud-native systems sustaining thousands of requests per second** — flight-operations software streamlining **80%+ of the national carrier's flights**
- Built **AI products for healthcare and insurance** that saved **thousands of hours** of manual review, pre-filling and summarising content for expert review and sign-off
- **Delivered national tech talks** at Atlassian, Amazon, Google and Web Directions to audiences of several hundred
- Led hackathon teams to multiple wins — including **top prize at the 2018 AUSTRAC ASEAN codeathon**, presented by the Minister for Law Enforcement & Cyber Security
- Shipped two products featured on national **TV and newspaper front pages**, and empowered a broadcaster to publish clips within seconds of live broadcast (previously days); led agile teams of up to 5

CTO, **Floktu**

May 2011 — Oct 2013

Rugby Union

Fairfax

- Recruited and led a **team of 5**, building a SaaS platform that processed **tens of millions of dollars** across **thousands of events**
- As a board member, steered the company off a failing rapid-app-generation model onto a **true SaaS model** — event content + ticketing
- Ran all corporate hospitality ticketing for the **Australian Rugby Union** and booth sales for Good Food Month
- Engineered a plugin system for bespoke client functionality; led investor briefings, sales meetings and client workshops

PLATFORMS

AWS

GCP

Azure

AI Vision

Generative AI

AI Tooling

Conversational AI

iOS & Android

REST APIs

WebSockets

LEADERSHIP

Technical Advisory

Team Leadership

Public Speaking

Mentoring

INDUSTRIES

Healthcare · Transport ·
Entertainment · E-commerce · Government

Team Leader, **Made In Katana**

Jan 2008 — May 2011

Chugg Entertainment

ARIA Awards

Short Stack

Silverchair

Kylie Minogue

- Led a **team of up to 10**; authored an industry-tailored app framework and shipped **~two dozen apps** on it over three years
- Built **Pharmacy4u**, a "Shopify for pharmacies" platform that brought **hundreds of pharmacies** and dozens of brands online
- Shipped **App Store–featured** apps and sites for major music artists (Chugg Entertainment, Kylie Minogue, Silverchair, Short Stack), driving exposure and downloads for label-promoted releases
- Grew the Short Stack fan app into a large community — the band ran in-app competitions, naming winners and giving out prizes through it

Project Manager, **Bywave**

Jun 2006 — Dec 2007

- First professional software role — built e-commerce sites for small and medium businesses on WordPress and various platforms
- Managed projects and client relationships alongside development responsibilities
- Configured and deployed web hosting; handled software and hosting support

EDUCATION

Bachelor of Computer Science, **Computer Forensics Major**

University of Western Sydney

PERSONAL PROJECTS · 2002 — ONGOING

BJJCal

ICS calendar feeds of Brazilian Jiu-Jitsu competitions for every country, refreshed daily.

Glitched

A browser-playable game built in Godot (GDScript).

gh-clean

A `gh` CLI extension that clears out done and stale local git branches.

BJJ Timer

A focused, no-nonsense round timer for Brazilian Jiu-Jitsu training.

Glyph

An emoji-only social platform — posts are pure emoji, each with a unique three-word URL.

Logo Detector

Computer-vision tool that scans video for brand logos using OpenCV and FFmpeg.

Chatrio

Zero-configuration video chat over the web, using web sockets for fast video sessions.

GMT

Community-driven site that ran for ~8 years. My first serious foray into software, and where I found my passion for it.

Ebookers Explorer

Social-media aggregation backend for an iPad app — aggregating, parsing and serving data via JSON.