

Andrew Wilks

LinkedIn: [Andrew-Wilksy](#)

GitHub: [AndrewWilks](#)

Outcome-driven engineer building Dataverse-backed solutions, **Power Pages** portals, and automated flows that plug into Microsoft 365. I extend the platform with **React + TypeScript** interfaces and **Power Apps Component Framework (PCF)** components and run predictable releases with **Application Lifecycle Management** and GitHub Actions. Comfortable supporting live platforms (incident triage → root cause) and working within SDLC practices across Agile and Waterfall.

1. Skills

Power Platform: Dataverse | Model-Driven Apps | Canvas Apps | Power Pages | Power Automate | ALM | Environment strategies

Microsoft 365 & SharePoint: SharePoint Online | SPFx familiarity (React/TypeScript web-part patterns) | Teams integration basics

Front-End: React + TypeScript | Accessible UI | Form logic & validation | State management | Error handling

Data & Integration: SQL (queries, data quality clean-ups) | Custom connectors | REST and GraphQL APIs | Azure Functions/Logic Apps | Webhooks

DevOps & SDLC: Git | GitHub Actions (workflows) | Azure DevOps | CI/CD | Unit & integration testing | Release coordination | Incident management

Design & Quality: Object-Oriented Programming | SOLID | Design patterns | Documentation & stakeholder training

2. Education

BACHELOR OF INFORMATION TECHNOLOGY (COMPUTER SCIENCE) WITH DISTINCTION

Queensland University of Technology (QUT)
March 2020 – August 2024

- GPA: 6.0
- Dean's List: Semester 1 & 2 (2020), Semester 1 (2021)
- Major: Computer Science | Minor: Mobile Applications
- Key Courses: Software Development, Web Computing, AI/ML, Cloud Computing, Databases, IoT

ADVANCED DIPLOMA: PROFESSIONAL GAME DEVELOPMENT – ART
Academy of Interactive Entertainment (AIE) | 2011 – 2012

VOCATIONAL GRADUATE DIPLOMA OF MANAGEMENT
Academy of Interactive Entertainment (AIE) | 2013 – 2014

CERTIFICATE III IN INTERACTIVE DIGITAL MEDIA
Mornington Secondary College | 2009 – 2010

CERTIFICATE III IN INFORMATION TECHNOLOGY
Dromana Secondary College | 2008 – 2009

3. Professional Experience

SOFTWARE DEVELOPER | BEACHHEAD.TECH

Jul 2025 – Present | Brisbane, QLD

- Designed a multi-tenant **Dataverse** core with a **Power Pages** portal and model-driven admin apps; granular roles/teams and auditing.
- Extended platform with **React/TypeScript** SPAs and **PCF** for richer UX where needed.
- Built ALM pipelines (**GitHub Actions + Power Platform Command Line Interface**) for solution export/import, environment variables, connection references, and promotion across dev/test/prod.
- Supported live operations: incident triage, root-cause analysis, and post-release hardening.

Software Developer | NDISP

Aug 2023 – Jul 2025 | Brisbane, QLD

- Delivered **Power Pages** features (application flows, document intake) and automated **Power Automate** workflows for monthly reporting.
- Improved model-driven apps for tenancy/assets to speed entry and lift data quality; ran small SQL clean-ups and validations.
- Introduced CI for supporting services with **GitHub Actions**; documented changes and trained internal users.

Earlier:

Lead 3D Artist (Atomizer Games).

Assistant Deli Manager (Hawthorne Garage);

4. Certificate

LINKEDIN LEARNING:

Learning C# | Scrum: The Basics | Corporate Financial Statement Analysis

5. TOOLS & PRACTICES

Git | GitHub Actions | GitHub Issues and Projects | Continuous Integration and Continuous Delivery | Testing (Vitest and Jest) | Linting and Prettier | Feature flags | Secrets management | Observability and telemetry | Object-Oriented Programming | SOLID principles (single responsibility, open-closed, Liskov substitution, interface segregation, dependency inversion) | Design patterns | Domain-Driven Design | Test-Driven Development

6. Key Projects

BEACHHEAD PLATFORM (SAAS)

Beachhead.Tech | Project Lead | In Progress

Dataverse core with a **Power Pages** portal and a model-driven application; role-based access for administrators, owners, managers, tenants, guardians and contractors; subsystems for **Property Management**, **Property Access Management**, and **Property Monitoring**; integrations with UniFi Site Manager and ZKTeco biosecurity access control; extended where needed with React/JavaScript single-page interfaces and **Power Apps Component Framework**; typed API contracts; Continuous Integration and Continuous Delivery with GitHub Actions.

NDISP WEBSITE | SDA PROPERTY SEARCH & APPLICATIONS

NDISP | Project Lead | Completed

Power Pages (JavaScript) on **Dataverse**, with **SharePoint Online** for file and image storage and **Power Automate** flows for actions and per-property image collection; surfaced Specialist Disability Accommodation listings (search, filters) and provided an online application flow for participants—akin to a realestate.com.au experience for SDA properties.

OWNER PORTAL & REPORTS

NDISP | Project Lead | Completed

Power Pages owner portal for property owners to view and pay invoices, submit and track maintenance requests, and access statements; templated owner statements and automated **Power Automate** workflows reduced manual reporting effort and centralised property management for NDISP.

TENANT CRM & ASSETS

NDISP | Project Lead | Completed

Canvas apps and model-driven apps on **Dataverse** with **Power Automate** flows, a property-management platform for NDISP (a Specialist Disability Accommodation provider), akin to PropertyMe for this use case; streamlined tenancy and asset operations.

YCT PROJECTS PLATFORM

Yellow Card Technology | Software Developer | Completed

Canvas apps and **Power Pages** portal on **Dataverse** to manage projects and maintenance jobs for automation installations in Specialist Disability Accommodation properties; **Power Automate** flows for task tracking and notifications.

SIFM FUND MANAGEMENT PLATFORM

Social Impact Management Fund | Developer | Completed

Canvas apps and **Power Pages** portal on **Dataverse** to track properties and owner cashflows; **Power BI**-backed insights integrated into the portal to help owners and the fund understand investments and loans; **Power Automate** flows for actions and **Power Apps Component Framework** extensions; environment-based releases with GitHub Actions.

7. Personal Projects

ETF AND STOCK GOAL-DRIVEN ANALYSIS TOOL

Personal Project | Developer | In Design

Next.js and TypeScript tool with Drizzle ORM and Dexie offline-first storage to plan goals, model dividend reinvestment, and evaluate portfolios; integrates a cost-of-living data layer.

COST-OF-LIVING ENGINE (AUSTRALIAN BUREAU OF STATISTICS)

Personal Project | Developer | In Design

TypeScript data pipeline and tables that ingest Australian Bureau of Statistics series for inflation and macroeconomic context, used by the analysis tool.

RESUME GENERATOR AND OWNER REPORT TEMPLATES

Personal Project | Developer | In progress

Node and TypeScript templates and scripts for resume and report generation (charts with ECharts) with GitHub Actions workflows for automated builds.

8. Personal Interests

HOME NETWORKING AND HOME LAB

Personal Interest | Ongoing

Ubiquiti UniFi design (segmented Virtual Local Area Networks and ten-gigabit backbone), firewalling, and monitoring.

SELF-HOSTING AND AUTOMATION

Personal Interest | Ongoing

Home Assistant, Docker containers, reverse proxying, observability, and a three-two-one backup strategy.

LAWN AND IRRIGATION PROJECT

Personal Interest | Ongoing

Warm-season couch renovation, multi-zone irrigation design and tuning, soil health, and top-dressing experiments.

FITNESS AND OUTDOORS

Personal Interest | Restarting

Rowing machine training, cycling, and hiking.

PERSONAL FINANCE AND INVESTING

Personal Interest | Ongoing

Long-term, evidence-based portfolio building and dividend strategy.

thank you

Let's connect and build
something great together!

BRISBANE, QLD 4000

0409 393 321

me@andrewwilks.au

www.andrewwilks.au