

Mark Colquhoun

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marideco.uk · interactive working models

PROFILE

Practical systems builder with 15+ years of first-hand experience in operations, compliance, team leadership and technical field work. I turn real business friction into useful AI integrations, workflow tools, websites and working prototypes.

I use AI development tools to deliver quickly, while directing the architecture, understanding each codebase, testing behaviour and writing or correcting code when needed. My advantage is the combination of operational judgment, technical curiosity and plain communication.

01 SELECTED SYSTEMS

MODULAR APPLICATION PLATFORM · REACT Workbench Local-first modular platform with installable tools, shared operational values, cross-module actions and isolated failures. Integrates current files, APIs and systems.	SAFETY OPERATIONS · REACT / TYPESCRIPT Health & Safety Operations Working platform covering field reporting, triage, investigations, corrective actions, work queues, routing rules and audit history. Role-based authority keeps responsibility and evidence clear.
OFFLINE-FIRST FIELD OPERATIONS · JAVASCRIPT / INDEXEDDB Fieldwork Tracker Pay-per-task tracker built for a real operational need, with period views, bulk entry, expected earnings, completion analysis, export and optional multi-user comparison.	CONTROLLED AI WORKFLOW · TYPESCRIPT AI Enquiry Workflow Demonstrates bounded intake, approved-context retrieval, evidence-linked drafting, explicit human approval and retained audit events. Unsafe instructions are held without action.

02 CAPABILITIES

AI-assisted systems design	Workflow mapping & automation
Rapid working prototypes	Testing, verification & debugging
Web design & development	Technical fault diagnosis
Compliance & audit trails	Operations improvement
Customer communication	

03 TECHNOLOGY

React · TypeScript · JavaScript · Node.js · Python · FastAPI · Astro · HTML/CSS · Power Apps · SQLite · Supabase · IndexedDB · Cloudflare · REST/API integrations · Git/GitHub

WORKING PRINCIPLE

“Make the system fit the work —not the other way round.”

04 PROFESSIONAL EXPERIENCE

CURRENT Independent Systems Development Marideco · Self-directed product work	Building modular operational software, controlled AI workflows and web products; owning product decisions, testing, debugging and correction.
OCT 2025 – APR 2026 Field Service Technician Circet · Grampian Region	- Planned an independent workload across Moray, Inverness and Aberdeenshire, balancing appointments, priority faults and travel. - Diagnosed live fibre faults using OTDR and power-meter data, maintained audit-ready records and explained findings clearly to customers.
APR 2025 – OCT 2025 Broadband Installation Engineer Kelly Group Ltd	- Delivered Openreach fibre, copper repair and CityFibre work across differing technical standards and reporting systems. - Resolved blocked ducts, routing conflicts and access issues, then completed testing, verification and service activation.
JAN 2024 – JAN 2025 Warehouse Operative Glenfiddich	Whisky warehousing, stock duties, accurate records and strict quality and safety procedures.
FEB 2022 – JUL 2023 Warehouse Operative & Site Administration Tamnavulin Distillery	- Managed DRAMS records, weekly/monthly W1 excise documents and tanker/trailer despatch records alongside warehouse duties. - Designed and built a Power Apps safety workflow that logged issues, routed ownership and tracked each report to resolution.
2018 – 2021 Whisky production & warehousing Macallan · Glen Grant · Diageo · Glenfiddich	Cask handling, racked and dunnage warehousing, bottling operations, stock records, quality and safety.
2015 – 2018 Shift Manager McDonald's · Elgin	Led teams of up to 30 and managed rotas, task delegation, performance, compliance and financial reconciliation.
2010 – 2016 Charge Hand Walkers Shortbread	Supervised production teams of 5–25 and owned product quality, packaging/date-code accuracy and dispatch readiness.

05 EDUCATION

Introduction to HN Computing
Aberdeen College

Standard Grades
English, Maths, Computing, German and Technological Studies

06 DEVELOPMENT

Google AI Professional Certificate
In progress · final module remaining

Telecoms accreditations
Openreach and NRSWA technical/safety certificates · valid 2025–2030

07 ADDITIONAL

McDonald's Shift Leadership
Passed with honours · 2017

Full UK driving licence
Held since 2013