Rangefront Labs

Capability Statement

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A sendable overview for prospective clients, partners and procurement teams: who we are, what we build, and how we approach websites, apps, prototypes, automation, AI and custom software.

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https://rangefrontlabs.com.au/resources/capability-statement/

Built in Toowoomba. Working across Australia and internationally.

Rangefront Labs helps organisations design and build websites, web platforms, mobile apps, prototypes, proof-of-concepts, secure AI, workflow automation and custom software. We are regionally based in Toowoomba, Queensland and work with clients across Australia and internationally: businesses, startups, government-adjacent teams, not-for-profits and operational organisations that need technology they can own and trust.

This capability statement is written for the moment someone asks, “Can you send through some information about your company?” It gives a practical overview of who we are, where we fit, and the kind of problems we are set up to solve.

Quick facts

Area	Detail
Business	Rangefront Labs
Base	Toowoomba, Queensland
Service area	Toowoomba, Darling Downs, South East Queensland, Australia-wide and international remote work
Focus	Websites, apps, prototypes, secure AI, automation, data systems and integrations
Delivery model	Founder-led consulting, design and engineering
Contact	hello@rangefrontlabs.com.au
Website	rangefrontlabs.com.au

Who we are

Rangefront Labs is a founder-led software studio for organisations that need ideas shaped, prototypes proven, websites launched, apps built, systems connected or AI introduced safely. We build the technology that sits inside the real operating rhythm of a business: quoting, approvals, reporting, compliance, search, knowledge management, customer portals, field tools and data flows.

The work is technical, but the point is practical. We help teams reduce wasted admin, make better use of the data they already hold, and introduce AI in a way that respects security, privacy and the people who still need to make the final call.

We are a good fit when the work is important enough to need senior engineering, but still close enough to the business that the builder needs to understand the messy operating detail. That includes early-stage product ideas, prototype sprints, websites, web and mobile apps, internal platforms, AI pilots that need a path to production, and operational systems where a missed edge case has a cost.

Founder

Rangefront Labs is led by Dwayne Charrington, Founder and Principal Engineer. Dwayne is an experienced software engineer, consultant, published author, Aurelia core team member and long-time open-source maintainer.

That matters because early clients do not get a sales layer and a delivery layer. They work directly with the person responsible for the technical decisions, the architecture, the quality of the build and the clarity of the recommendation. If a project is not worth doing, or if AI is not the right tool, we say so.

Dwayne’s background spans product engineering, consulting, technical writing and open-source leadership. That mix is useful for clients because the work is not just code. It is translation: turning an unclear business problem into a system that can be scoped, built, explained, maintained and improved.

Core services

Product ideation, prototypes and proof-of-concepts

We help shape early ideas into something buildable: product strategy, requirements, user flows, technical architecture, prototypes and proof-of-concepts that test the riskiest assumptions before a larger investment.

Websites and web platforms

We build fast, credible websites, content platforms, landing pages, booking flows, member areas and web platforms for businesses that need their online presence to explain the offer clearly and generate real enquiries.

Web and mobile apps

We build web apps, customer portals, internal platforms, mobile apps and business tools around how your organisation works. You own the code, the roadmap and the system once it is built.

Secure AI consulting

We help organisations decide where AI belongs, where it does not, and what data is safe to use. That includes readiness assessments, use-case selection, deployment model advice, governance, evaluation and private AI options for sensitive data.

Private AI and knowledge assistants

We build assistants grounded in your own documents, policies, manuals, tickets and records. Answers can include source citations, permissions can follow your existing access rules, and sensitive workloads can run in private cloud or on-premise environments.

Workflow automation

We automate high-friction work such as approvals, intake, document handling, triage, status updates and reporting. The aim is not just to move data faster. It is to make the process visible, auditable and easier for staff to trust.

Custom software

We build custom business systems, dashboards, operational tools and software that replaces fragile spreadsheets, manual admin and disconnected workarounds.

Systems integration and APIs

We connect CRM, ERP, finance, cloud, field and bespoke systems through clean APIs and data flows. This reduces duplicate entry, reconciliation and the risk that every team is working from a different version of the truth.

Data platforms and reporting

We bring operational data into models, dashboards and reports that decision makers can trust. That can include forecasting, KPI tracking, exception reporting and AI-generated summaries that stay tied to the underlying data.

What clients come to us for

Most conversations start with one of these needs:

- “We have an idea and need help turning it into a buildable product.”
- “We need a prototype or proof-of-concept before we commit to the full build.”
- “Our website does not clearly explain what we do or generate enough enquiry.”
- “We need a web app, mobile app, portal or internal platform.”
- “We are a startup and need senior technical direction before we hire a team.”
- “We want to use AI, but we do not know what is safe.”
- “Our staff are copying information between systems every day.”
- “The spreadsheet has become the business system.”
- “The off-the-shelf platform almost fits, but the gaps are hurting us.”
- “We need a technical partner who can explain the trade-offs without hiding behind jargon.”

The answer is not always a large build. Sometimes the best first step is an ideation session, landing page, workshop, clickable prototype, technical proof, cleanup of the data path, small automation or AI readiness assessment that proves the value before the organisation commits further.

Industries we fit

Rangefront Labs is not locked to one sector. We work best where the organisation has complex processes, sensitive information, operational data or knowledge spread across too many places.

Common fits include:

- Professional services, including accounting, legal and consulting firms
- Manufacturing, engineering and industrial businesses
- Agriculture, agritech and Darling Downs production businesses
- Logistics, transport and fleet-heavy operations
- Healthcare administration and compliance-heavy teams
- Education, councils, community organisations and not-for-profits
- Startups and product teams that need serious engineering early

Problems we understand

Across those sectors, the shape of the problem is often similar:

Problem	What it usually means
Unclear idea	There is potential, but the product shape, users and first version need work
Weak digital presence	The website or landing page does not explain the offer or convert interest
Manual admin	Staff spend too much time copying, checking and chasing information
Knowledge sprawl	Important answers live in PDFs, inboxes, shared drives or one person’s head
Data risk	Sensitive data is being pasted into tools without clear rules
Disconnected systems	CRM, finance, operations and reporting disagree
Poor visibility	Leaders cannot see status, risk or exceptions until too late
Fragile growth	The current process works only because a few people know the workaround

This is why we position AI alongside websites, apps, software, automation and integration. Sometimes the right answer is a product prototype. Sometimes it is a better website, a custom portal, an integration, a mobile app or a private AI assistant. The job is to choose the thing that will actually move the business.

How we work

We start by understanding the job the system needs to do. That means mapping the current process, the people involved, the data sources, the exceptions and the cost of leaving the problem as it is.

From there we usually move in stages:

1. **Discovery**: clarify the problem, users, constraints and business value.
2. **Recommendation**: identify the lowest-risk first move and what should wait.
3. **Prototype or pilot**: prove the user experience, workflow, data access, model behaviour or technical risk before the larger build.
4. **Production build**: engineer the website, app, system or automation with security, logging, documentation and ownership in mind.
5. **Handover and support**: leave the team able to use, inspect and evolve the system without mystery.

Discovery workshop process

For larger or unclear opportunities, a structured workshop can come before a proposal. The workshop usually covers:

- Current process map, including exceptions and workarounds
- Product idea, audience, offer and first-version scope
- Systems and data inventory
- Security and privacy constraints
- Candidate website, app, automation, integration and AI use cases
- Value, effort and risk scoring
- First-version scope
- Measures of success
- Decision points and open questions

The output is a practical recommendation you can act on. You should know what to do first, what to avoid, what data needs work and what a sensible production path looks like.

Security philosophy

Security is not a final checklist. It shapes where data lives, who can reach it, how actions are logged and what happens when the system is wrong.

Our default questions are:

- What data will this touch?
- Is it open, sensitive or restricted?
- Which people and systems should be allowed to access it?
- Does the workload suit public cloud, private cloud, on-premise or a hybrid?
- How will we audit answers, decisions and automated actions?
- What should a human approve before anything irreversible happens?

For AI work, this is especially important. We design around data sensitivity, provider terms, retention, model evaluation, source citation, human review and the option to keep sensitive workloads inside infrastructure the client controls.

AI deployment options

Different data needs different handling.

Model	Best fit	Trade-off
Public AI API	Open or lower-sensitivity work where speed matters	You rely on provider controls and terms
Private cloud	Sensitive business data where isolation and control matter	More setup and governance
On-premise or sovereign	Restricted data, air-gapped sites or strict residency needs	Higher operating responsibility
Hybrid	Mixed sensitivity, with each workload placed where it belongs	Needs clear rules and architecture

Rangefront Labs helps choose the model that fits the data and the business, then designs the surrounding access controls, logging and review process.

AI expertise

Rangefront Labs focuses on applied AI: the kind that is connected to a workflow, grounded in the organisation’s own data and measured before it is trusted.

Typical AI work includes:

- AI readiness and use-case prioritisation
- Retrieval-augmented generation over internal documents
- Private knowledge assistants with source citations
- Document intelligence for PDFs, images, forms and emails
- Custom AI agents with human approval steps
- Model evaluation, test sets and accuracy checks
- Private cloud, sovereign and on-premise AI deployments
- AI policy, governance and vendor review

We do not treat AI as a default answer. Sometimes a rule, form, report, API or plain software workflow is safer and cheaper. The job is to choose the tool that will hold up in production.

What we hand over

Depending on the engagement, handover may include:

- Source code and repository access
- System architecture notes
- Data flow documentation
- API contracts and environment notes

- Deployment and rollback steps
- Admin and user guidance
- Evaluation results for AI features
- Known limitations and next-step recommendations
- A support plan where ongoing help is useful

The goal is a system the client can understand. Mystery is not a feature.

Example solution patterns

Startup prototype or MVP

For founders and early product teams that need to turn an idea into something people can try. We help define the first version, choose the technical approach, build a prototype or MVP, and keep the scope tight enough to learn before money is wasted.

Website and web platform rebuild

For businesses that need their website to explain the offer clearly, support sales conversations, rank for useful search terms and connect to forms, booking, CRM or content workflows. This can be a focused website or a larger web platform with authenticated areas.

Custom business portal

For organisations that need customers, members, suppliers or staff to interact with a workflow online. A portal can handle login, forms, status, documents, payments, approvals and reporting while connecting to the systems already in place.

Field or mobile workflow app

For teams working away from a desk. A mobile workflow app can capture inspections, job notes, images, signatures or sensor readings offline, then sync back to the core system when coverage returns.

Private AI knowledge assistant

For organisations with policy manuals, operating procedures, technical documents, contracts or internal knowledge spread across shared drives. Staff can ask questions and receive answers grounded in approved sources, with citations back to the document. Permissions and deployment can be matched to the data.

AI workflow automation platform

For teams receiving high volumes of emails, forms, attachments or requests. AI can classify incoming work, extract the fields that matter, route items for approval and produce reporting, while keeping a human in the loop where risk is too high for automatic action.

Operations dashboard

For businesses trying to run from several disconnected systems. We bring key metrics together, surface exceptions, add forecasting where the data supports it, and generate plain-English summaries so leaders can see what changed and where attention is needed.

Proof of build capability

The Rangefront Labs website includes live product and case study work, including marketplaces, reputation systems, council-minute intelligence and consumer AI products. These projects show the parts that matter in client work: product thinking, user flows, web and app delivery, data modelling, integrations, AI features, payments, search, safety checks, deployment and the judgement needed to ship something people can use.

Selected examples:

- **Reviewey**: proof-backed two-way review platform for Australian businesses.
- **Yardvertising**: local advertising space marketplace.
- **Minutes Radar**: council minutes search and summarisation platform.
- **YawnTales**: AI-assisted family content product with safety classification.

Proposal readiness

For a clean proposal, we usually need:

- The problem in plain language
- Who will use the system
- Whether this is a website, app, prototype, integration, automation, AI system or a mix
- What the current process costs in time, risk or missed opportunity
- Existing systems and data sources
- Security or compliance requirements
- Must-have and nice-to-have scope
- Budget range or commercial constraints
- Timing pressure, if any
- Who can make decisions during the project

If these are unclear, that is fine. Discovery exists to make them clear.

Engagement options

Rangefront Labs can help at several levels:

- **Discovery call**: a practical first conversation about the problem.
- **AI Readiness Assessment**: a fast way to identify risk, gaps and first moves.
- **Workshop or strategy sprint**: map use cases, data, security and business value.
- **Prototype or proof of concept**: prove the riskiest part before committing to a larger build.
- **Production build**: design, engineer, deploy and document the system.
- **Ongoing partner support**: maintain, improve and extend what we build.

Contact

Email: hello@rangefrontlabs.com.au

Website: rangefrontlabs.com.au

Based in: Toowoomba, Queensland

Service area: Toowoomba, Darling Downs, South East Queensland, Australia-wide and international remote work

Useful starting points:

- Book a discovery call
- Take the AI Readiness Assessment
- View services
- View work