



RxDinkum

A verified, patient-first medicine reviews platform for Australia

RxDinkum is an Australian healthtech platform where patients read honest, verified reviews of how a medicine actually feels to take. Talvex Solutions designed and built the product end to end — a fast, accessible public web app backed by a Node.js API, reviewer verification, pharmacist moderation and a pharmacy partner portal — running on AWS and built to scale as the catalogue and community grow.

INDUSTRY Healthtech / consumer medicine reviews	MARKET Australia	ENGAGEMENT Greenfield build, dedicated team
TEAM Talvex architects & engineers	TIMELINE Launched 2026, ongoing development	CORE STACK Astro · Node.js · PostgreSQL · AWS

About the client

RxDinkum (rxdinkum.com) gives Australian patients a trustworthy place to understand what a medicine is really like before they start it — side effects, effectiveness and day-to-day experience — sourced from verified patients, moderated by registered pharmacists, and framed to send people back to their doctor or pharmacist. Talvex delivered the full platform: the consumer-facing web app, the review and verification backend, the pharmacy partner portal and the internal moderation console, with an architecture built to scale as the medicine catalogue and review volume grow.

Project info

FRONTEND	Astro 5 (static rendering with interactive islands), TypeScript in strict mode, Tailwind CSS 4, self-hosted Manrope — no framework runtime shipped to the browser.
BACKEND	Node.js (TypeScript) REST API on PostgreSQL with Prisma, handling medicine search, review submission, reviewer verification and moderation.
SEARCH	Fast medicine lookup across 540+ PBS-referenced medicines, matching both brand name and active ingredient.
AUTH & VERIFICATION	Patient accounts, a pharmacy partner portal and a restricted staff console; reviewers verified via a pharmacy receipt or prescription reference before a review goes live.
CLOUD / INFRA	AWS — S3 + CloudFront for the front end, a containerised API on ECS Fargate, Amazon RDS (PostgreSQL), with CI/CD and independent scaling.
MEDIA & SEO	Generated Open Graph images (sharp), per-route semantic metadata and favicon — social-ready and indexable.
LOCALISATION & COMPLIANCE	Australian throughout — PBS status, AEST, Healthdirect and 000 — with de-identification under the Australian Privacy Principles.

Needs and challenges

Australians had no trustworthy, plain-language place to learn what a medicine actually feels like to take. Existing information was either drug-company marketing or dense clinical data — and open review sites couldn't prove a reviewer had ever been prescribed the medicine. RxDinkum had to fix that credibly, at scale, and within Australian privacy and health-content expectations.

Trustworthy by construction A review only counts if the reviewer is verified as having actually been dispensed the medicine — no anonymous, unverifiable content.	Safe health content Medicine content carries real weight, so pharmacist moderation, privacy-first handling and a clear "not medical advice" stance were non-negotiable.
Accessible to everyone Health information must clear WCAG AA — keyboard-operable, reduced-motion aware and readable by assistive technology.	Built for Australia PBS listing status, AEST, Healthdirect and 000, and the Australian Privacy Principles all had to be correct out of the box.
Fast at scale Search and pages had to stay quick as the medicine catalogue and review volume keep growing.	Maintainable & localisable Content and data modelled cleanly so the platform is easy to extend, re-skin and localise without a rewrite.

The solution

We delivered RxDinkum as a full product. A fast, static-rendered Astro front end talks to a Node.js / TypeScript API backed by PostgreSQL, which handles medicine search, review submission, reviewer verification and moderation. Patients search and read reviews; verified patients submit their own; registered pharmacists moderate flagged content from an internal console; and partner pharmacies confirm dispensing records through a dedicated portal. The whole platform runs on AWS, with the front end served from CloudFront and the API and database scaling independently behind it.

Delivered work

Consumer web app	A landing page with live medicine search, a full directory, and per-medicine detail pages showing rating breakdowns, reported benefits and reported side effects.
Medicine search & directory	Search 540+ medicines by brand or active ingredient, filter by category and PBS listing, and sort by rating or review volume.
Reviews & verification	Patients submit reviews tied to a verified pharmacy receipt or prescription reference, so every published review comes from someone who actually took the medicine.
Pharmacist moderation console	A restricted internal console where registered pharmacists review flagged content for medical accuracy and safety before it goes live.
Pharmacy partner portal	Partner pharmacies verify dispensing records and manage their pharmacy's presence on RxDinkum.
Trust, safety & privacy	De-identification under the Australian Privacy Principles and an explicit "not medical advice" boundary carried across the whole product.
Node.js API on AWS	A TypeScript service on PostgreSQL, deployed to AWS with CI/CD, that scales independently of the front end as traffic and data grow.
Accessibility & SEO	WCAG-AA contrast, semantic landmarks, reduced-motion handling, generated Open Graph images and clean per-route metadata across the site.

Product highlights

Live medicine search

Medicine directory

Verified reviews

Rating breakdowns

Reported side effects

Pharmacist moderation

Pharmacy portal

Patient accounts

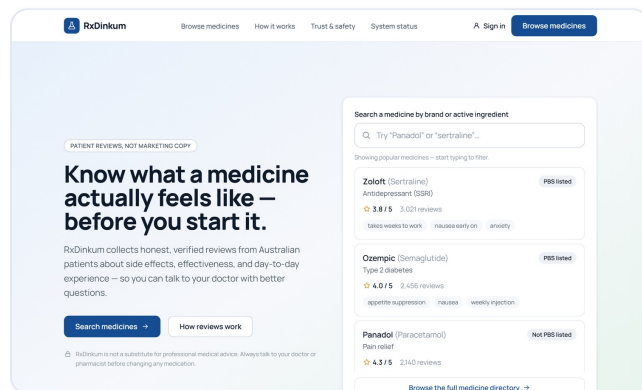
Node.js API

AWS infrastructure

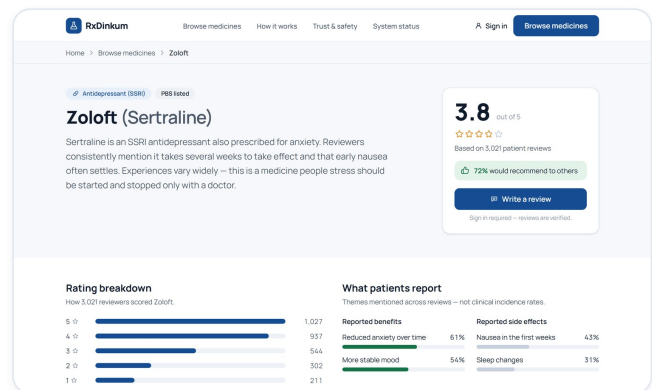
Australian localisation

WCAG AA

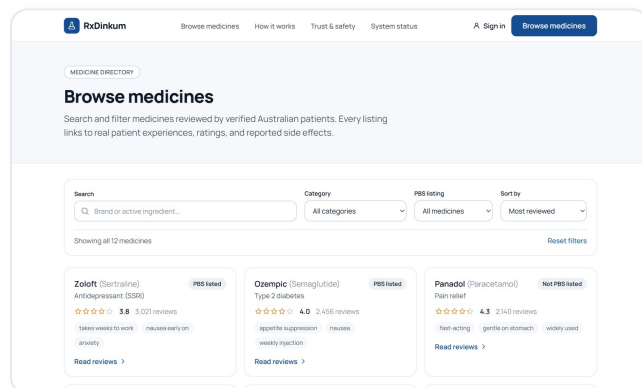
Inside the product



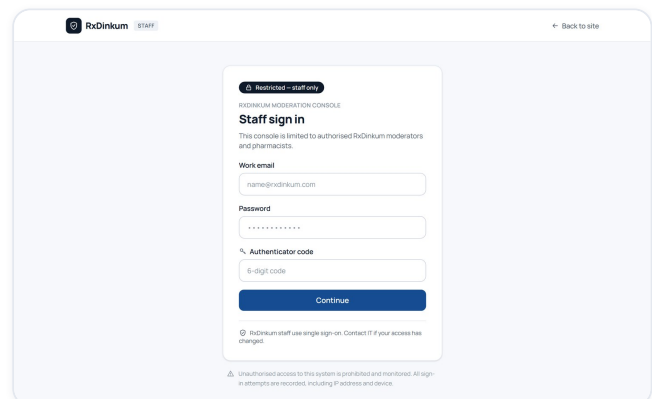
Landing & live search — patients search 540+ medicines by brand or active ingredient.



Medicine detail — rating breakdown with reported benefits versus reported side effects.



Medicine directory — filter by category and PBS listing, sort by rating or review volume.



Staff moderation console — pharmacists review flagged reviews before they publish.

Business value

One trusted source. Australians finally have a verified, plain-language place to learn what a medicine is really like before starting it.

Safe by design. Pharmacist moderation and a clear "not medical advice" boundary keep health content responsible.

Built to scale. A Node.js API on AWS grows with the catalogue and review volume without a rewrite.

Verified, not anonymous. Every review is tied to a real dispensing, so the content carries weight patients and clinicians can rely on.

Accessible to all Australians. WCAG-AA contrast, keyboard operability and reduced-motion support built in from day one.

Compliant by default. De-identification under the Australian Privacy Principles is baked into the data model, not bolted on.

WHAT THE CLIENT SAYS

"Patients trust it because every review is verified — that's the whole difference. Talvex shipped the platform end to end, and it just works."

Michele Adams · CEO, RxDinkum

BY THE NUMBERS

540+

medicines reviewed

18,600+

verified reviews

76,000+

monthly readers

94%

of reviewers verified

Conclusion

RxDinkum gives Australians a trustworthy, verified view of what a medicine is actually like to take — and gives pharmacies and pharmacists the tools to keep that content honest. Talvex delivered the whole platform end to end, from the consumer web app to the Node.js API and AWS infrastructure behind it, and continues to extend it as the catalogue and community grow.

Have a product to build? Talk to Talvex Solutions.

Tell us what you're building and we'll come back with a team, a plan and a timeline. hello@talvex.solutions

