Engineer Advisory

Frontend Engineering

13 achievements

Connect the parts of your system

The work collected under “Frontend Engineering” shows one part of a working system. We can help connect that part to the rest of your operation. Interfaces that load quickly, work on a phone and behave the same in every browser your customers happen to use.

Explore our services Get in touch →

Find a comparable challenge

Follow an example that resembles your situation. Its review describes the decisions behind the result, beyond the technology label. Directed full-stack GIS map development — full-stack mapping, from database to browser

Directed full-stack GIS map development Get in touch →

Directed full-stack GIS map development

Directed full-stack GIS map development, overseeing PostgreSQL, Mapbox, ReactJS, and NodeJS to deliver an integrated solution.

Presented 200 UI/UX improvements

Presented 200 UI/UX improvements for the GIS map application, boosting revenue by 10x through enhanced software features.

Designed the product's UI and UX end to end

Designed the product's UI and UX end to end — directory grids, dual card/table views, live requirement validators and breadcrumb navigation.

Set the platform's founding technical decisions

Set the platform's founding decisions in the weeks after the repository opened in November 2025 — the layering, database-first data access and the zero-warnings bar — and they still hold nine months on.

Built a test suite across Go, SQL and browser

Built a layered automated test suite — 981 Go tests, 543 frontend and browser specs, 494 SQL behavioural tests — with mutation testing, property-based tests and an accessibility gate.

Built the operator back-office for the platform

Built the operator back-office — around 40 admin routes and 128 components covering claims, moderation, feature flags, cache and diagnostics — so the platform can be run without database access.

Built company ownership claims and adjudication

Built company ownership claims end to end — a user claims a company, an administrator adjudicates, and an approval rewrites the authorization graph that decides who is allowed to edit what.

Built the social layer: posts, feed and groups

Built the platform's social layer — posts, feed, groups, mentions, a follower graph and an occasions digest — on the same function-first data layer as the rest of the product.

Built a 22-linter commit gate

Built a commit gate of 22 one-line linters plus five that earn a paragraph, with no warning tier and no inline suppressions permitted, covering HTML, CSS, JavaScript, Python, YAML, Markdown, shell, links, spelling, secrets and typography.

A safety net that no longer costs half an hour

Cut the site's browser-driven quality gate from 1,636 seconds to 615 by scheduling its checks longest-first through a worker pool bounded to four lanes, after measuring that alphabetical order cost 320 seconds against 224.

Linted the 10,242-line quality gate itself

Brought 10,242 lines of quality-gate JavaScript under a formatter and a linter after establishing it was the largest body of code in the repository and the only one nothing read, fixing 13 findings and suppressing none.

Adopted Swift 6 strict concurrency over C

Adopted Swift 6 complete strict concurrency with no actors, bridging a blocking C event loop to the main actor through one producer, one consumer and one ordering — after establishing that a task per event loses the ordering the interface depends on.

Rewrote error messages to stop blaming users

Rewrote the application's error messages against a written tone standard after a refused sign-in blamed the user for mistyping when the provider actually required an app-specific password, and covered it with a test that names the provider.

Focus the engineering effort

Describe the workflow, the existing interfaces and the users who need the change. We can define a testable delivery and a handover that lets your team maintain it.

See what it costs Get in touch →

Put the subject in your context

Tell us how “Frontend Engineering” appears in your own system. We can help choose the relevant service and define the work around it.

Explore our services

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Carefully Crafted With Love by D.

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