Engineer Software

Product & Requirements

15 achievements

Connect the parts of your system

The work collected under “Product & Requirements” shows one part of a working system. We can help connect that part to the rest of your operation. Anything that happens in a place — vessels, vehicles, plots, sensors — put on a map you can search, measure and share.

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. Made a geographical data pipeline 50x faster — 50x faster geographical data pipelines

Made a geographical data pipeline 50x faster Get in touch →

Delivered 8 Power BI projects with manuals

Delivered 8 Power BI projects with comprehensive manuals, integrating Microsoft Power BI tools with NodeJS API and Python FastAPI for effective data analytics and visualization.

Led a GIS map application to 10x revenue growth

Led the software development of a GIS map application, driving revenue growth by 10x and positioning the product as a primary data asset.

Optimized forecasting and investment strategies

Optimized forecasting and investment strategies for 11 electricity grid operators, driving operational efficiency through data-driven GIS solutions.

Presented 200 UI/UX improvements

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

Developed a Data Analytics reporting system

Developed a Data Analytics reporting system, increasing quarterly software revenue by 400% through Python-based PDF reports.

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.

Combined web development with SEO and content

Drove client web success by combining custom website development and design with SEO, content strategy and copywriting.

Built Stripe and in-app purchase entitlements

Built the payments and entitlements layer — Stripe alongside Apple and Google in-app purchase — gating the directory, search and export through an 11-table access model checked on the server.

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 a loyalty wallet, leagues and badges

Built the loyalty and reputation system — 67 functions over a 31-table ledger, with leagues, badges and a redemption shop — taking a row lock on the balance to close the double-spend window.

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 the hiring and seafarer career workspaces

Built hiring and seafarer career workspaces; the recorded implementation snapshot contains 151 stored functions across 48 tables for vacancies, applications, certificates, rank progression and sea time.

Ran development as 51 written initiatives

Ran the site's development as 51 written initiatives across 54 plan documents, each carrying its open boxes, its measurements and the decisions it declined — including six of eight agent-readiness findings refused with the reason recorded.

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 “Product & Requirements” 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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