ROBERT MORGAN

FULL STACK WEB DEVELOPER

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PROJECTS

Aquaclear   **Live Site** | **GitHub**

A containerised web platform with an AI-powered client assistant.

- Built an AI chat system with persistent memory and contextual understanding using OpenAI embeddings and Supabase.
- Architected a RAG-based backend with Express and TypeScript, with schema validation via Zod and tests covering core flows.
- Deployed via Docker and Render CI/CD, enabling consistent environments and seamless production updates.

TL;DR History   **Live Site** | **GitHub**

A GraphQL-driven history platform with infinite-scrolling social timelines.

- Built a PostgreSQL and Prisma backend with GraphQL API, TypeScript, JWT auth, and AI content creation using OpenAI.
- Developed a virtualised masonry-style feed with dynamic filtering, context-aware headlines, and real-time map/stat visualizations.
- Engineered smooth, scalable infinite-scroll interactions using React, Tailwind, Framer Motion, and TanStack Query.

Slumbernaut   **Live Site** | **GitHub**

A dynamic artist website that uses Spotify, YouTube, and Google API.

- Integrated multiple APIs to update media, events, and descriptions automatically — no manual edits needed.
- Built and deployed the site with Next.js on Vercel, using SSR, caching, and asset optimisation to ensure fast, reliable performance.
- Implemented theming via CSS variables and built a demo store to showcase global context and state management.

EXPERIENCE

Gracenote

Data Editor | Aug 2016-Oct 2024 | Amsterdam, NL

- Collaborated to manage databases by parsing and validating FTP data, ensuring accuracy, consistency, and timely delivery.
- Collaborated in a cross-functional, agile environment to coordinate projects, implement new workflows, and adapt to evolving systems.

Webhelp

Account Manager | Oct 2014-July 2016 | Cardiff, UK

- Provided account and financial support, communicating clearly with clients and resolving escalations with professionalism and accuracy.
- Consistently met compliance standards and performance targets while handling high pressure problem solving scenarios.

SKILLS

Front End
React, Next.js, Tanstack, Tailwind, Vitest, Framer

Back End
Node, Express, GraphQL. MySQL, MongoDb, Jest

Tools
Git, Bash, Render, Vercel, OpenAI, D3

EDUCATION

University of South Wales
Aug 2012-Dec 2014

Bachelor's degree: Animation

Cardiff Met University
Aug 2011-May 2012

Diploma: Art and Design

Coleg Glan Hafren
Aug 2009-Jul 2011

A Level: Information Technology

CERTIFICATES

React: Complete Guide

Node JS: Complete Guide

Understanding TypeScript

MySQL Bootcamp

Data Structures & Algorithms