

JIM HARRIS | Senior React/Next.js Developer

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Senior TypeScript developer specialising in React and Next.js, with practical full-stack experience building web applications across APIs, databases, cloud services and serverless infrastructure. I combine proven front-end expertise with technical breadth to build and ship products, regularly crossing the frontend/backend boundary. Strong track record of applying creative thinking to complex interaction problems, with particular strength in custom UI and intuitive UX.

Over two decades of experience building for the web, including more than a decade of production React work with startups, scale-ups, agencies and global organisations. My background spans existing codebases, greenfield projects, legacy systems, migrations and prototyping. Comfortable working independently, in teams and directly with clients.

Technical Skills

Core	Full-stack	Workflow	Emerging
JavaScript, TypeScript, React Next.js (SSR/SSG/ISR, RSC) Tailwind CSS, Figma	Node.js, REST APIs Supabase PostgreSQL AWS DynamoDB/S3	CI/CD pipelines AWS Amplify Agile, Git	Agentic AI, RAG, MCP LangChain

Recent Work

MyCorpora

Full-stack developer - July 2026 - Oct 2026

- Independent project developing an AI-powered app for querying curated collections of technical manuals
- Architected and developed a full-stack app with Next.js and Node.js/Express REST API
 - Implemented protected routes, Supabase Auth, secure API endpoints and asynchronous S3 document management with PostgreSQL and RLS
 - Deployed to AWS Amplify and Elastic Beanstalk using GitHub Actions and CI/CD
 - Integrated OpenAI APIs for LLM-powered document querying, using LangChain and LlamaParse for document ingestion, parsing and retrieval
 - Prototyped RAG pipelines with OpenAI embeddings, Supabase pgvector and LlamaIndex for semantic search; explored MCP and LLM tool calling

Evidence for Learning

Next.js lead - June 2024 - Feb 2026

- Web application featuring new interaction models for querying and narrating educational evidence
- React/Tanstack Query, Zod, AG Grid, Recharts, Motion, HeroUI (NextUI), dnd kit, PHP/Laravel, MongoDB*
- Designed and built the *QuestionBoard*, a suite of search, filtering and visualisation tools inspired by visual programming languages and timeline-based creative desktop apps
 - Built across the Next.js App Router stack, including Server Components and Actions, server-side data fetching, caching and revalidation, API integration and streaming UI with React Suspense
 - Full ownership of Innovate UK-funded greenfield project, meeting and exceeding key milestones, taking concept through prototyping to production in 12 months

Warner Music Group

Next.js lead - Feb 2024 - April 2024

Dashboard for Dua Lipa's UK social media team at WMG

Supabase, React Hook Form, Recharts, shadcn/ui

- Launched a responsive dashboard empowering Dua Lipa's team to track the performance of their TikTok campaign creators' posts
- Included authentication and session management with Supabase Auth and API integration with custom endpoints
- Enabled Warner UK to compete favourably with an alternative tool offered by Warner US

Brighton and Hove City Council

React lead - Nov 2023 - Feb 2024

Interactive exhibition installed at Brighton's central Jubilee Library

AWS DynamoDB, AWS S3, Redux, reCAPTCHA

- Led the technical development of a public installation for Brighton and Hove Libraries' *Everyone's Library* campaign, delivering on time and within budget
- Implemented a private admin and moderation panel using AWS DynamoDB for data persistence with S3 asset management
- Achieved significant community impact and reach, with the installation attracting 2,500 contributions at Brighton's central Jubilee Library, leading to 450 new memberships

Cambridge University Press

React developer - Oct 2021 - Aug 2023

Google Firebase, Google Cloud Functions, PixiJS, PHP/Laravel

- Architected and developed five educational game templates for Cambridge University Press, doubling the number of games available to their course designers
- Worked with Firebase and Google Cloud Functions as part of a serverless architecture
- Reached millions of users in 100+ countries via their learning platform, Cambridge One
- Collaborated with existing team to integrate new games with existing codebase, then led refactoring from legacy class-based React to modern functional React

Highlights of Past Work

- Built a Vue.js site-builder with Twill CMS for Focus Group, enabling their marketing team to independently manage the corporate website (2019–2020)
- Lead developer on YouVsTrain website for a Network Rail campaign that delivered a 17% increase in rail safety awareness amongst young people (2017 - 2018)
- Helped music start-up, Filmstro, secure £500k seed funding with corporate site and React apps that previewed their innovative desktop music software (2017)
- Lead Angular developer at Velti managing a team on 'Do Us a Flavour' competition site for Walkers that supported more than a million entries (2013 - 2014)

Education

- **Psychology of Creativity**, Catalyst Berlin - Summer course, 2026
- **MA Hypermedia Studies** (Merit), HRC, University of Westminster
- **BSc (Hons) Social Psychology** (First), LSE, University of London