NICK LEWIS

Senior Full-Stack Engineer

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PROFILE

Full-stack engineer with 30 years building for the web, the last decade focused on TypeScript and modern JavaScript. Delivered compliance technology, fintech and enterprise SaaS platforms using Node.js, NestJS, Vue/Nuxt, React, React Native, GraphQL and Ruby on Rails. Recently built RAG features with Pinecone and worked in a spec-driven development workflow with parallel AI coding agents (Claude Code) for implementation, refactoring and test generation. A collaborative problem solver and mentor who helps teams set coding standards and onboard new developers.

KEY SKILLS

Languages & frameworks: TypeScript, JavaScript, Node.js, NestJS, Express.js, Vue.js, Nuxt, React, Next.js, React Native, Ruby on Rails, PHP, C#/.NET

Data & APIs: PostgreSQL, Drizzle ORM, Redis, NoSQL, GraphQL, REST APIs

Messaging & queues: RabbitMQ, Sidekiq, event-driven architecture

AI: RAG, Pinecone vector database, Claude Code, parallel coding agents, spec-driven development

Cloud & DevOps: AWS, Netlify (Edge Functions), Heroku, Docker, GitHub Actions, CI/CD

Auth & security: AWS Cognito, Auth0, OAuth

Testing & quality: Playwright, Jest, Mocha, RSpec, TDD, Sentry, web performance (Core Web Vitals), code review

UI & styling: Tailwind CSS, SASS/SCSS, Bootstrap, responsive design, accessibility standards

Ways of working: Agile delivery, Jira, Bitbucket, mentoring

CMS: Drupal, WordPress

Domains: Compliance technology, fintech and payments, e-commerce, transport, charity sector, enterprise SaaS

PROFESSIONAL EXPERIENCE

iRock School of Music | Full-Stack Developer **May 2026 – Present**

Educational business teaching primary school children to play instruments and learn music.

- Develop features in the Ruby on Rails platform behind the company, parent and school portals, including timetabling, student statuses, lesson repertoire and qualification schemes.
- Build features for the Band Coach mobile app, used by teachers in the field, written in React Native and TypeScript.

Technologies: Ruby on Rails, Sidekiq, React Native, TypeScript, Sentry

Vixio | Senior Full-Stack Developer **Mar 2021 – Apr 2026**

Compliance technology SaaS company serving the gambling and payments industries.

- Led the front-end rebuild of the Payments Compliance platform, migrating a legacy system to Node.js/Nuxt and aligning it with the newer Gambling Compliance product.
- Delivered Workspace, a compliance project-management tool that lets teams import legal documents, assign tasks and track regulatory obligations, built on PostgreSQL with Drizzle ORM.
- Built retrieval-augmented generation (RAG) features for Workspace, using a Pinecone vector database to gather regulatory requirements from legal documents.
- Worked in a spec-driven development workflow using parallel AI coding agents (Claude Code) across TypeScript and Node.js codebases for implementation, refactoring and unit tests.
- Built a reusable Vue.js and Tailwind CSS component library, improving UI consistency and reducing delivery time across several compliance products.

- Mentored and onboarded new developers as the team grew, and helped establish coding standards, code review and technical documentation.
- Worked with product owners and compliance specialists to turn regulatory requirements into technical specifications and user-centred interfaces.

Technologies: TypeScript, Node.js, NestJS, Nuxt, Vue.js, GraphQL, PostgreSQL, Drizzle, Pinecone, AWS Cognito, Playwright, Sentry, Drupal, Tailwind CSS, HighCharts, Docker, Claude Code, Jira

Freelance | Full-Stack Developer **Mar 2020 – Feb 2021**

Contract web development for small business and agency clients.

- Delivered front-end and full-stack projects for several clients, mainly using JavaScript, Vue.js, HTML5 and CSS.

Clearbox Ltd (Kier Group) | Systems Developer **Mar 2019 – Feb 2020**

Construction technology company providing BIM (Building Information Modelling) and project management solutions.

- Developed Form Builder, which let engineers on major projects such as Crossrail create custom data-collection forms with a drag-and-drop designer.
- Built both the form designer and form generator in Vue.js and BootstrapVue, integrated with Web API back-end services.
- Supported accident reports, works approvals and sign-off forms, with components for text, images, tables and architectural drawings.
- Refined the UX using feedback from engineers and project teams so forms met compliance and safety reporting needs.

Technologies: Vue.js, BootstrapVue, Node.js, REST APIs, Sentry, Jira, Bitbucket

KFC (via Sideshow Agency) | React Native Developer (Contract) **Aug 2018 – Mar 2019**

KFC UK customer loyalty app.

- Developed the KFC UK loyalty app, integrating Salesforce CRM, POS systems and a Node.js/Drupal 8 back end running on Heroku and AWS.
- Helped shape the architecture for scalability and reliability at national scale.
- Diagnosed and resolved complex integration issues between the app, back-end services and third-party systems.
- Worked with developers, product owners and the lead technical architect to deliver key features to tight deadlines, on site in Woking and remotely.

Technologies: React Native, Node.js, Drupal 8, Heroku, AWS, Salesforce, Jira

Logic Room Ltd | React Native Developer (Remote Contract) **Mar 2018 – Aug 2018**

Mobile development for a client team adopting React Native.

- Mentored and onboarded five client developers moving to React and React Native, helping them become confident and self-sufficient.
- Implemented app features in React Native using clean architecture patterns and styled-components.
- Promoted TDD and code quality through examples, code review and pairing sessions.

Technologies: React, React Native, styled-components, TDD, Jira

Premium Credit Ltd | Web Developer **Jun 2016 – Mar 2018**

Premium finance provider for the insurance industry.

- Developed EPICC, an end-to-end web application for brokers to record policy transactions and manage premium finance, white-labelled per broker.
- Built reusable, configurable broker-facing forms in functional JavaScript.
- Built the admin portal in React with Redux and Redux-Saga to manage real-time state.
- Supported C#/.NET and SQL back-end development when team capacity changed.

Technologies: React, Redux, Redux-Saga, RxJS, Webpack, PostCSS, C#/.NET, SQL

Earlier contract roles (2014–2016)

- **Save the Children** | Web Developer | Oct 2015 – Jun 2016 — donation and payment systems (PHP, Yii, Drupal, WordPress, PayPal APIs, AWS S3)
- **GiveSmart** | Web Developer | Mar 2015 – Oct 2015 — charity auction platform (Angular, Laravel, Objective-C for iOS)
- **Gladstone MRM** | UI Consultant | Oct 2014 – Mar 2015 — leisure club management software (Bootstrap, jQuery, C#/.NET Web Forms)
- **AA Digital** | AngularJS Developer | Mar 2014 – Oct 2014 — customer-facing AA applications (AngularJS, Node.js, Grunt, Jenkins, Karma/Jasmine)

EARLIER CAREER (1995–2014)

Contract and permanent developer roles for enterprise, public sector and agency clients including Transport for London, Rubicon Software, MB Interactive, B&Q (via TCS), Avvio, Estée Lauder, UK Broadband, i20 Water, Zurich Financial Services, MBA Systems and Aremissoft. Delivered web and client/server systems with ASP.NET, C#, SQL Server, early JavaScript frameworks (Backbone, Knockout) and CMS platforms including Drupal and Immediacy.

EDUCATION

HND Software Engineering — Farnborough College of Technology

ND Computer Studies — Farnborough College of Technology

8 GCSEs including Maths and English — Robert Mays School, Odiham

INTERESTS

Kayaking (club member), synths and music production, photography (I write two Substack newsletters, Modulations and Rambling Photographer), cycling, walking, travel, wildlife and reading.