

Jon Reader

Lead TypeScript engineer building AI tooling, design systems and delivery platforms.

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PROFILE

20 years building for the web, from start-ups to enterprise. I currently lead R&D and AI adoption for 8 teams at NBCUniversal (Peacock, NOW, Sky), where I've shipped AI tooling and a multi-brand design system alongside a range of other R&D projects. I prove ideas with quick spikes, then do the hands-on work to deliver them.

KEY SKILLS

TypeScript, React and Next.js, AI agents and LLM tooling, MCP and Amazon Bedrock, design systems, CI/CD and developer platforms, AWS, Python

EXPERIENCE

NBCUniversal (Peacock, NOW, Sky) Contract, Remote

Senior Developer, AI, R&D and Leadership (VOR Team)

Sep 2024 - Present (2 years, 2 months)

- **R&D leadership.** Ran R&D across 8 teams: trialled new tools in short spikes, such as AWS chaos testing, shared findings in brown-bag sessions and rolled out what worked.
- **AI engineering platform.** Built shared GitHub Actions workflows for AI agents that write code and review pull requests across Node.js, Python and Java, with central model settings and guardrails on tools and commands.
- **Usher, internal AI assistant.** Contributed to an internal AI chatbot that answers questions and triages issues in real time through MCP, and integrated it with our Agentic Platform.
- **Agent skills.** Wrote Cursor agent skills, including incident triage across Datadog, GitHub and Slack, and component review across repositories.
- **AI developer tools.** Created an MCP server for internal APIs, a Datadog extension for VS Code and a documentation-migration plugin with human approval.
- **Multi-brand design system.** Led the migration of a 100+ component React 19 toolkit (Peacock, NOW, Sky) from styled-components to Tailwind CSS v4, with an AI snapshot-diff tool to catch visual regressions.
- **CI and deployment.** Rebuilt monorepo CI to build packages in parallel, rolled out shared GitHub Actions workflows and introduced AWS Lambda Web Adapter through the Serverless Framework.
- **Migrations and enablement.** Drove organisation-wide migrations (central configuration, Node.js 24, Vitest 4) and wrote AGENTS.md and onboarding guidance across many repositories.

TypeScript, Python, Node.js, React 19, Next.js, Model Context Protocol, Amazon Bedrock, Claude, Cursor, GitHub Actions, AWS Lambda, Tailwind CSS v4

Senior Developer, Technical Lead (NOW Team)

Oct 2021 - Aug 2024 (2 years, 11 months)

- **Technical leadership.** Wrote code day to day while leading the team: hiring, mentoring, setting technical direction and acting as the main contact for Principal Engineers and stakeholders.
- **Feature delivery.** Delivered features across a React micro-frontend architecture, with GraphQL and REST APIs behind a BFF, and contributed shared platform components.
- **Quality and accessibility.** Applications carried 1,000+ unit, functional and end-to-end tests written against acceptance criteria; accessibility failures blocked merges.
- **DevOps and on-call.** Ran CI/CD, monitoring and on-call for the team's apps on Akamai, under a DevOps model.

React, Next.js, TypeScript, GraphQL, REST, Node.js, Jest, React Testing Library, Cypress, Concourse, Akamai

American Express (Centurion) Contract, Remote

Senior Developer

Mar 2020 - Feb 2021 (1 year)

- Built a highly interactive interface for the Centurion (Black Card) luxury service with custom transitions and animations, internationalised in five languages.
- Shipped it as a React and Node.js micro-frontend served through a CDN.

React, Node.js, i18n, REST, React Spring, Styled Components, CDN

University of Southampton Contract, Southampton

Lead Developer

Nov 2014 - Feb 2020 (5 years, 4 months)

- Led the architecture and delivery of a greenfield platform unifying 300+ websites, 3M+ pages and multiple databases.
- Designed Node.js microservices federated into one Apollo GraphQL endpoint, deployed with Kubernetes and serverless functions on Azure.
- Built the React and Marko front end as static sites on a CDN; the same data fed campus screens and third-party apps.
- Led, mentored and grew the in-house development team.

React, Marko, GraphQL, Node.js, Kubernetes, Serverless, Azure, SQL, Contentful

Five by Five Contract

Frontend Developer

Sep 2014 - Nov 2014 (3 months)

B&Q Contract

Frontend Engineer & UI Designer

Jan 2014 - Jul 2014 (7 months)

Earlier roles Permanent

Frontend and full-stack roles

Aug 2006 - Dec 2013 (7 years, 5 months)

- Including CDD Nation, Holiday Extras and Chestfields.

SKILLS

AI and LLMs: AI agent workflows, AI code review, MCP, Prompt engineering, Context engineering, Amazon Bedrock, Claude, OpenAI GPT, RAG, Augment, Cursor skills, Cursor plugins, Cursor Cloud Agents, Vercel AI SDK

Languages: TypeScript, JavaScript, Python, C#, PHP, HTML, CSS, SCSS

Frontend: React, Next.js, React Native, Redux, Tailwind CSS, Styled Components, Storybook, Design systems, Design tokens

Backend and APIs: Node.js, Express, GraphQL, REST, Serverless

Testing: Vitest, Jest, RTL, Playwright, Cypress, TDD, Visual regression, Axe

Data: PostgreSQL, MongoDB, AWS DynamoDB, Redis, Firebase, Supabase

Cloud and DevOps: AWS Lambda, AWS S3, Azure, Akamai, GCP, Docker, Kubernetes, GitHub Actions, Concourse, CI/CD, Terraform, Datadog

CMS: Contentful, Sanity

Ways of working: Team leadership, Mentoring, Hiring and interviewing, Agile, Scrum, Kanban, Accessibility, i18n, Atomic design, Technical spikes, Brown-bag sessions, InnerSource

Design and other: Figma, Photoshop, Illustrator, InDesign, Unity (3D), GIS software