

Rupert McKay

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I am a motivated multidisciplinary staff software engineer with over 10 years of professional experience. I have worked closely with high-profile clients and gained both deep and broad expertise. My roles have included full stack development, software architecture and team leadership. I am a firm believer in collaboration across product, design and development domains. I am passionate about clean code, test driven development and mentoring others.

Professional Experience

Staff Software Engineer - Lokalise - April 2022 - Present

Staff Engineer: Frontend Strategy

Laid the scaffold for a green-field project with AI at the heart. Establishing a framework which can be scaled to many more developers. Championed migration from styled-components to CSS modules.

- Technologies: Turborepo, Fastify, Vite, React-Query, Zod, Wretch, CSS Modules, GPT

Staff Engineer: Extensibility Tribe

Champion for frontend performance and monitoring initiative in which page load times reduced from several seconds down to only a few hundred milliseconds.

- Technologies: TypeScript, React, styled-components, Fastify.

Senior Software Engineer - adidas - May 2021 - April 2022

Checkout user experience and payment integration: .COM Checkout and Payment

Lead developer for the adidas lower funnel checkout and payment experience, working in close collaboration with API and backend services teams.

- Lead initiative for TypeScript upgrades across entire adidas.com codebase.
- Modernized linting process to guarantee accessibility and type-aware linting.
- Delivered biweekly technical talks to all .COM teams on broad range of topics.
- Technologies: React, TypeScript, Jest, webpack, Adyen, ACI.

Lead Developer and Team Lead – DotControl – Nov 2020 – May2021

All-encompassing marketing content platform: DPG GROW

Team lead for an ambitious MVP web platform. Managed client expectations and scope. Established Agile best practices and lead the frontend and backend teams.

- Technologies: Umbraco.

E-commerce platform rebuild: DPG Media

Architected and lead development to ensure a performant user experience, even while handling volatile user traffic spikes coming from a huge customer base across the Benelux.

- Technologies: Next.js, TypeScript, React, Jest, Storybook, Umbraco Heartcore.

Ethical commodity sourcing platform: SourceUp

Championed reduction of tech debt and refactoring to better ensure long term maintainability and product quality.

- Dramatically reduced page load times by a factor of 10.
- Technologies: Next.js, TypeScript, React, Jest, GraphQL.

Senior Software Development Engineer – Expedia – Feb 2020 – Nov 2020

*Single page application and API: **Agency Tiers***

Coordinated with Product and Design to lead development of a full stack application to handle the automation of a previously file-intensive manual process.

- Technologies: TypeScript, Jest, React.

*Web Platform Localization: **Portal TAAP Compatibility***

Lead delivery of localization support across a SPA web platform. Received the ‘Spirit Award’ for embodying the Expedia core principles during this time.

- Technologies: i18next, React.

*API Migration: **Monolith to Kumo***

Refactored and streamlined the team’s existing AWS lambda node API templates to make use of Webpack, Babel and ES6 support. Established baseline for best practices in future APIs.

- Technologies: AWS Lambda, Webpack, ES6, Babel.

Softwire – Jan 2015 – Jan 2020

Software Teaching Lead – Jan 2018 – Jan 2020

*Apprenticeship training department: **Softwire Academy***

Won awards for my patient, caring and empathetic approach to mentoring junior developers.

- Prepared students for British Computing Society exams in C#, JS, and Methodologies.
- Taught courses in C#, Java, JavaScript and Python.

Senior Software Developer – Jan 2017 – Jan 2018.

Various projects

Handled direct daily client communication of timelines, feasibility and planning.

- Technologies: JavaScript, Neo4J, C#, ASP.NET MVC, Python, Durandal, Cordova

Software Developer – Jan 2015 – Jan 2017

Various projects

Worked with several high-profile clients including the BBC and David Lloyd gyms.

- Technologies: HTML, CSS, JavaScript, Angular, KnockoutJS, Java, C#, Python.

Junior Programmer – IPL – Sep 2013 – Jan 2014

*Financial market data analysis web application: **ORX***

- Technologies: C#, SharePoint.

Education and Qualifications

University of Bath – 2010 – 2013

BSc (Hons) Computer Science. Graduated with First Class Honours.