Oscar Coniel

Senior Full Stack Developer

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```
17    */
18    export function useEditorSession(documentId: string): [Editor, string] {
19      // Set up the editor session
20      const sessionId = useMemo(() => {
21        // Generate a session ID
22        const id = generateId();
23        // Get the rich text document
24        const document = RichTextDocuments.get(documentId) as RTDocument;
25
26        // Create the session in the rich text editor store with the
27        // current document revision.
28        useRichTextEditorStore.getState().addSession(id, document.revision);
29
30        // Return the session ID
31        return id;
32      }, [documentId]);
33
34      // Create the editor instance
35      const editor = useMemo(
36        () => withRichTextEditorStore(createEditor(documentId), sessionId),
37        [documentId, sessionId],
38      );
39
40      return [editor, sessionId];
41    }
```
`▷ main ○ 0 △ 0      — INSERT —                          ≡ 1 : 1`
`[3] 0:nvim*`

Summary

Senior Full Stack Developer with over 10 years of freelancing experience designing and developing web and mobile apps in Typescript, React, Node, and various back-end systems.

Skills

Client-Side

HTML · **CSS** · **Typescript** · **React** · **React Native** · **Next.js** · **Electron JS**

Server-Side

Node.js · **Cloud Firestore** · **MySQL** · **MongoDB** · **CouchDB**

Tools & Services

Figma · **Storybook** · **Jest** · **Cypress** · **Lerna** · **Firebase** · **AWS** · **GIT**

Projects

🔵 MindDrop

Full Stack Developer 2021 – Ongoig

A visual workspace for organising your projects, studies, research, and ideas. MindDrop is an open-source, personal project of mine.

Designed and developed a **Typscript**, **React**, **Electron JS**, **PouchDB + CouchDB** app featuring:

- Local data storage for offline access and privacy.
- Encrypted sync functionality for multi-device support.
- An extensions API to extend almost every part of the app.
- In-depth documentation and guides for extension developers.
- A package based, mono-repo architecture.

21st Night

Full Stack Developer 2019 – 2021

A flashcard app aimed at students studying for standardised tests.

Designed, developed, and deployed a **Typscript**, **React**, **React Native**, **Firebase** web and mobile app featuring:

- A fully custom rich text editor.
- An in depth study analytics system.
- Tutor-student collaboration features.
- Premium subscription model and internal marketplace powered by Stripe and in-app-purchase APIs.
- An interactive study plan generator.
- A gamification and rewards system.

Strengths

Project Ownership

Extensive experience creating entire applications from design to launch.

Adaptability

Worked with a wide range of technology stacks. Constantly learning to use new tools and patterns.

Communication

10+ years as a freelancer working with clients from all over the world, both remotely and in person, communicating in three languages: **English** (native), **French**, **Finnish** (fluent)

Education

Heriot-Watt University

BSc in Computer Science

2009 – 2010   Edinburgh, Scotland

University of Tampere

BSc in Computer Science (continued)

2011 – 2013   Tampere, Finland

Continued after completing Finnish military service. Dropped out to pursue a startup project.

StudyRabbit

Full Stack Developer 2017 - 2019

A mathematics learning app centered around bite sized lessons and spaced repetition.

Designed, developed, and deployed a **Typescript**, **React**, **Firebase** responsive web app featuring:

- A concept based learning system in which individual concepts are unlocked through short, interactive lessons.
- A custom spaced repetition system which unlocks progressively harder questions.
- A question generation tool with support for variables, functions, and mathematical operations.
- A lesson creation tool with integrated graphing and question creation tools for creating interactive lessons.
- A system for interpreting mathematical responses, allowing for any mathematically correct response rather than simply rigid, predefined ones.
- A fully responsive design, including a touch based mathematical keyboard for mobile devices.

TrailHost

Full Stack Developer 2017

A QR code based app to provide information about points of interest along walking/hiking trails.

Designed, developed, and deployed a **Typescript**, **React**, **MongoDB**, **GraphQL** web app featuring:

- A system for trail managers to design and order custom laser cut QR code panels in various shapes and colors.
- A CMS for managing the QR codes' geolocation and the content displayed when the code is scanned.
- A scanner which pre-loaded data for the entire trail, allowing for offline access after scanning the initial QR code.

Coniel LMS

CEO, Full Stack Developer 2013 - 2016

A learning management system designed to be intuitive and fun to use.

Co-founded and lead a startup developing a **PHP**, **MySQL**, **Angular**, **AWS** web app featuring:

- An activity feed combining classroom discussions, anouncments, and notifications.
- A system for generating a class schedule and organising lesson materials.
- An assignments system with several assignment types, student submission tracking & reminders, intergrated grading & annotation tools.
- An internal referencing system allowing instructors to link lessons, assignments, feed posts, and events together.
- Student groups with their own feed, file sharing, and submission tools for group based assignments.
- An in-app & email based notifications system.

Various freelancing projects

Full Stack Developer 2010 - 2018

Over a 10+ year freelance career, I've worked on various smaller projects, including:

- Developed and ran a student website featuring revision notes on various subjects. At its peak, the website received over **260,000 monthly visits**.
- Designed and developed a listings website & CMS for a real-estate agency which was in use for almost a decade.
- Lead a small team in creating a social network for the self-help community.
- Developed a loyalty program and discount coupon mobile app for cafes and restaurants.
- Worked on a hospital management system.
- Created a video course for learning the Meteor JS framework from scratch.
- Designed and developed an online course system for a life-coaching business.