

Florian Mailliet

Senior Frontend Engineer

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Profile

In early **2023**, I became a **new Canadian Permanent Resident**.

I have been **crafting web applications** for the past **10+ years**. I am used to working on **high-traffic applications** and adopt a **data-driven approach**. I like to solve complex problems and enjoy coming up with innovative solutions. My **proficiency in UI/UX** enables me to collaborate seamlessly with designers and product teams, helping them shape their requirements. My expertise in Frontend engineering can be a valuable asset for any team aiming to decrease their technical debt, enhance their performances, or revamp their architecture. I have seven years of experience with **React**, along with a robust **backend** expertise, particularly in **Node.js** and **Express.js**.

Experience & Achievements

Dailymotion

Nice, France

June 2013 - Dec 2022

[Dailymotion](#) is the second-largest video hosting website that has over 300 million monthly active users.

Senior Front-End Engineer

crafting Dailymotion's HTML5 video player

Sept 2015 - Dec 2022

- ▷ Initiated the “modular player project” by extracting and migrating video core components from a monolith architecture into a decoupled monorepo architecture.
- ▷ Successfully lead the progressive rollout and the A/B/C testing of the “photon player” ([new player UI 2022](#)), daily interacting with the data insight team and making sure the critical KPIs were improved.
- ▷ Implemented the critical features of the [player embed script API](#) and problem solved many issues during the beta release improving player viewability and monetization KPIs (3%)
- ▷ Migrated player components from React class components to functional components using hooks.
- ▷ Rebuilt from scratch many player UI components with React/Redux (seek bar, queue, 360 videos...) to match the 2018 rebranding called “neon player”.
- ▷ Mentored junior developer and shared coding practices across the player team (presentations and technical talks)
- ▷ Migrated player components from a flight.js architecture to a React/Redux architecture.
- ▷ Designed tools to boost team productivity, including the “ad tester”, a Node.js server, which greatly simplifies the testing of linear ads (VAST, VPAID), as well as several Node.js CLI tools to streamline code migration and conflict resolution.

- ▷ Created and implemented a custom vanilla JS video proxy to preserve user experience from poorly implemented third parties (VPAID ads) improving the overall user streaming experience, specially the transition between inline ads (preroll, midroll, postroll) and the video content.

**Flash/AS3 Front-End developer
crafting Dailymotion's Flash video player**

June 2013 - Aug 2015

- ▷ Implemented player V5. A "HTML5 first architecture" with a Flash fallback. The Flash architecture mirrored completely the HTML5 architecture to ease software maintenance.
- ▷ Maintained, enhanced, refactored player V4. A "Flash first architecture" with an HTML5 fallback. Technical stack : AS3 OOP, OSMF library.

Passerelle

Oct 2009 - May 2013

Paris, France

Passerelle is a digital marketing agency that helps businesses in accomplishing their digital transformations, creating showcase and E-commerce websites, developing custom 2D and 3D configurators tailored for diverse industries.

Flash/AS3 Front-End developer crafting rich media applications

- ▷ Successfully executed numerous high-impact rich media websites, native or embedded applications using Adobe Flash/Flex/AIR AS3 in a fast-paced environment: interactive videos, real-time 3D configurators, augmented reality applications, 2D games. Technical stack: GreenSock, Papervision, Away3D, AlivePDF.
- ▷ Developed a tailored MVC framework for rapid AS3 application development, incorporating features such as client-side routing, object-oriented abstract class components, asynchronous components, and customizable loading component.

Education

Master's degree in Web Consulting & Science in Information Management.
Université Paris IV Sorbonne, France

2000 - 2007

Skills

Languages

French (native), English (Fluent), Spanish (Fluent)

Methodology & Management:

Agile (Scrum & Kanban), Hybrid collaboration, Asynchronous communication

Programming Languages

JavaScript (ES6), TypeScript, HTML, CSS3/Sass, Go, Bash

Libraries & Frameworks

React, Preact, Redux, Next.js, Express.js

APIs

REST, GraphQL

Tests

Jasmine, Karma, Jest, Enzyme, Puppeteer, WebPageTest

Tools & Environment

Node.js, npm, Webpack, Rollup.js, Babel, Git, Jira, Kibana, Docker, AWS, Jenkins.

References available upon request.