MATHIEU DUFOUR

SOFTWARE ENGINEER

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EDUCATION

McGill University, 2018-2021
Software Engineering, GPA: 3.7/4.0
Minor in Entrepreneurship

TECHNICAL SKILLS

JavaScript/TypeScript

React (JS / TS, w/ Redux)

Node.js (JS / TS)

Google Cloud Platform (Firestore, Firebase Auth, Cloud Run, Hosting)

Python

Java

PostgreSQL (w/ Liquibase)

LANGUAGES

English (fluent)
French (native)
Spanish (beginner)

SUMMARY

I'm a software engineer with experience designing, developing, and maintaining user-focused software. Most of my experience is in full-stack web development, with personal pursuits in machine learning and natural language processing. On my own time, I love to solve rock climbing problems, build drones and travel the world.

PROFESSIONAL EXPERIENCE

WFHomie (1 year, 4 months)

Full-Stack Developer   *August 2021–Present*

`React` `Node.js` `TypeScript` `GCP` `PostgreSQL` `Liquibase` `Java` `Mixpanel`

- Owned the front end of WFHomie's Analytics platform, using Airbnb's visx charting library for data visualization.
- Full automation of class registrations on the platform, using the Google Calendar API to create and update calendar events.
- Developed WFHomie Kudos, a Slack app installed and used by over 50 companies, and that got featured on Product Hunt's newsletters.
- Maintained a Java (Spring) codebase and PostgreSQL database (w/ Liquibase).

Software Developer Intern   *January 2021–April 2021*

`React` `Redux` `Node.js` `JavaScript` `Google Cloud Platform` `Stripe API`

- Designed, implemented, and maintained features on the WFHomie platform, often working on tight deadlines to prepare features for clients.
- Implemented a booking system using the Stripe API
- Designed and implemented an authentication and access control system.
- Fully design and implemented a Slack bot that manages user interactions.

Coveo (4 months)

Software Developer Intern (Full-Stack)   *May 2021-August 2021*

`React` `TypeScript` `Redux` `Scala` `.NET (C#)` `Terraform`

- Implemented a point-and-click interface that improves the user experience of a crucial part of the Coveo platform, used by end users on a regular basis.
- Improved the performance of connectors written in C# and Go.
- Participated in Agile ceremonies including sprint planning and retrospectives.

CGI Inc. (4 months)

Programmer Analyst Intern   *May 2019-August 2019*

`C#` `.NET` `PowerShell`

- Developed a desktop application to automate the migration of mailboxes from on-premise Exchange servers to Office 365.
- Wrote PowerShell scripts to automate tedious tasks executed by technicians.