



Dimitri Buhon

Web tech lead, LVL Studio
Montreal, Québec

Contact me

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About me

I like to learn, to work on cool projects,
cookies and cats.

Languages

French
Native language

English
Secondary language (TOEIC)

Skills

C# (.NET Framework, Mono)	● ● ● ● ● ○
Java (JavaFx, Swing, Maven)	● ● ● ● ● ○
C++ (Algorithms, QT)	● ● ● ○ ○
Unity (Hololens)	● ● ● ○ ○
SQL	● ● ● ● ● ○
Code testing	● ● ● ● ● ○

Web (front)

AngularJS	● ● ● ● ● ○
Angular (2/4/5)	● ● ● ● ● ●
React	● ● ● ● ● ●
HTML5 & CSS3 (SASS)	● ● ● ● ● ●
JavaScript / TypeScript	● ● ● ● ● ●

Mobile

Java Android (4/5/6/7)	● ● ● ● ● ○
Xamarin (Natif iOS)	● ● ● ● ● ○

Version control systems

Git	● ● ● ● ● ●
TFS	● ● ● ● ● ○
SVN	● ● ● ● ● ○

Career

LVL Studio (Web tech lead)

2018 - Today

Creation of a Storefront Manager in **React** with **Typescript**. The tool allows operators to configure the visual treatment and content of audio and video applications.

Build of a web framework with **Typescript**.

Development of audio/video On Demand applications.

VINCI Construction France (Neos-SDI) (Software engineer)

2017 - 2018

Research and development on mixed reality glasses, **Microsoft Hololens**. Development of a mixed-reality application using **Unity** and **C#** that helps renovate construction site elements by virtually highlighting areas.

Build of an **Angular** and **Electron** application displayed on two giant touch screens. The application serves as a showcase for the various projects carried out by Vinci Construction and is presented at events and exhibitions.

Development and maintenance of web and mobile applications (**Angular**, **Xamarin iOS**, **C#**, **ElasticSearch**) that monitor compliance with safety rules, environment and quality on construction sites.

Development of the Vinci Construction France business and organizational objectives management tool (**Angular**, **C#**, **Dapper**).

Development of a note-taking tool for construction workers to log issues (**Angular**, **C#**, **CQRS**).

Ardian (Neos-SDI) (Software engineer)

2016 - 2017

Development of a financial management application.
Back-end programming in **C#** with **Entity Framework** and a **SQL** database.
Front-end with **AngularJS/TypeScript**.
Unit tests (**Fixture**, **Mock data**, **TDD**).
Coding following best development practices.



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Education



Master's degree in Computer
Science (UQAC)

Québec

2015 - 2016



Master's degree in Software
Architecture (ESGI)

France

2014 - 2016



Bachelor's degree in Software
Architecture (ESGI)

France

2011 - 2014

Personal projects

Labyrinth (AI project)

Java

JavaFx

Algorithmic

Staged two animated characters in a labyrinth. Both characters must find each other in an environment that is entirely, partially or not observable.

Built in **Java/JavaFx**.

Implementation of several search algorithms:

- Breadth first search (**BFS**), **multi-directional BFS**
- Depth first search (**DFS**),
- **Dijkstra**, **A***

github.com/dbuhon

Sudoku (Sudokus builder and resolver)

C#

WPF

Algorithmic

Utility of creation and resolution of sudokus.

Development in **C#** of a tool that generates, validates and resolves Sudoku files of different sizes (9*9, 16*16, ...).

Implementation of a **backtracking** algorithm.

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Radius (Java Online File Explorer)

Java

Java EE

MongoDB

Browser and host of files online.

Online file hosting platform built in **Java EE**.

The application allows users to publish files and organize them in a tree structure.

Management of users accounts.

Front-end made in **HTML5**, **CSS3**, **JavaScript** and **JQuery**.

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