

Dimitri Buhon

Web tech lead, LVL Studio Montreal, Québec

Contact me

♥ Montreal, Québec

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linkedin.com/in/dbuhon

github.com/dbuhon

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) | $\bullet \bullet \bullet \bullet \circ$ |
|-----------------------------|---|
| Java (JavaFx, Swing, Maven) | $\bullet \bullet \bullet \bullet \circ$ |
| C++ (Algorithms, QT) | \bullet \bullet \bullet \circ |
| Unity (Hololens) | \bullet \bullet \bullet \circ |
| SQL | • • • • ○ |
| Code testing | • • • • • |
| eb (front) | |

Web (front

| AngularJS | • • • • 0 |
|-------------------------|-----------|
| Angular (2/4/5) | • • • • • |
| React | • • • • • |
| HTML5 & CSS3 (SASS) | • • • • • |
| JavaScript / TypeScript | • • • • |

Mobile

| Java Android (4/5/6/7) | •••• |
|------------------------|---|
| Xamarin (Natif iOS) | \bullet \bullet \bullet \bullet |

Version control systems

| Git | • • • • • |
|-----|---|
| TFS | $\bullet \bullet \bullet \bullet \circ$ |
| 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

2017 - 2018

engineer)

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

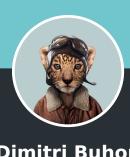
Development of a financial management application.

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)



Master's degree in Software Architecture (ESGI)

France

Bachelor's degree in Software Architecture (ESGI)

France

Personal projects

Labyrinth (Al project)





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*

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Sudoku (Sudokus builder and resolver)



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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