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**Portfolio:** <https://brice-boutet.herokuapp.com> | **Github:** <https://github.com/bboutet1>

Full Stack Web Developer excited and motivated to join a team where I will continue investing in my programming skills after a competitive coding certification program at the University of Toronto. With an international-trained (France) mechanical engineering background, I am bilingual, fluent in english and french and possess a passion for problem solving and continuous learning that singles me out as an asset in software/web development projects.

## Technical Skills

**Languages and frameworks:** HTML5, CSS3, JavaScript, jQuery, Node.js, React.js, Express.js, MongoDB, SQL, Sequelize, Command Line, Git, Bootstrap, Bulma, Gatsby, Foundation and Materialize CSS frameworks, Handlebars, C++, Java, Visual Basic.

**Applications:** Visual Studio Code, Google Chrome, MySQL Workbench, Git/Terminal, Zoom, Slack, Trello, Figma.

## Projects

**Link-N-Park** | Github: [github.com/joel-clifford-bootcamp/project3](https://github.com/joel-clifford-bootcamp/project3) | Deployed: [link-n-park.herokuapp.com](https://link-n-park.herokuapp.com)

A Reactjs full stack application that allows users to locate Bixi Bike stations near a particular location, as well as areas to park their bike, and map a route to these locations from a given location.

- **Responsibilities:** Implemented google-maps API call. Also worked on backend code.
- **Tools and languages:** MySQL, Express, React, Node, HTML, CSS, Materialize CSS framework, Google Fonts, Visual Studio Code, Google Chrome, Git/Terminal, Zoom, Slack, Google Maps API.

**Daily-Carpool** | [github.com/bboutet1/project2\\_daily-carpool](https://github.com/bboutet1/project2_daily-carpool) | Deployed: [daily-commuter-carpool.herokuapp.com](https://daily-commuter-carpool.herokuapp.com)

This full-stack application aims to match workers to share their daily commute as drivers and passengers, merging their routes to the workplace when these are close: the detour for the driver must be kept short.

- **Responsibilities:** I led the group, in charge of implementing the Google Maps API requests code and writing the back-end code including the server and SQL database..
- **Tools and languages:** MySQL, Express, Node, HTML, CSS, Foundation framework, Visual Studio Code, Google Chrome, Git/Terminal, Zoom, Slack, Google Maps API.

**Google-Books-Search** | [github.com/bboutet1/books-search](https://github.com/bboutet1/books-search) | Deployed: [books-search-n-save.herokuapp.com](https://books-search-n-save.herokuapp.com)

This MERN stack application uses the Google Books API. It allows users to search and save books by title as input.

- **Responsibilities:** Individual project
- **Tools and languages:** MongoDB, Express, React, Node, CSS, Bootstrap, Visual Studio Code, Google Chrome, Google Books APIs.

**Developer-Profile-Generator** | [https://github.com/bboutet1/developer\\_profile\\_generator](https://github.com/bboutet1/developer_profile_generator) | Start CL: `node index.js`.

A command line application that dynamically generates a README.md file from a user's input. It also generates an html file from which a pdf file containing the information the user's Github profile is created. The author's Github information is obtained through requests to Github's REST and GraphQL.

- **Responsibilities:** Individual project
- **Tools and languages:** HTML, CSS, Bootstrap, Node, Visual Studio Code, Google Chrome, GitHub APIs.

**Employee-Directory** | [github.com/bboutet1/employee-directory](https://github.com/bboutet1/employee-directory) | Deployed: [bboutet1.github.io/employee-directory](https://bboutet1.github.io/employee-directory)

This application built with React allows the user (manager) to search or sort employees by name, role or department. The application's UI is broken down into components with a component state to respond to user events.

- **Responsibilities:** Individual project
- **Tools and languages:** React, Node, HTML, CSS, Bootstrap, Visual Studio Code, Google Chrome.

**Code-Quiz** | [github.com/bboutet1/code\\_quiz](https://github.com/bboutet1/code_quiz) | Deployed: [bboutet1.github.io/code\\_quiz/](https://bboutet1.github.io/code_quiz/)

This app is a timed javascript test with multiple choice questions. It runs in the browser and has a dynamic interface, ensuring adaptability to multiple screen sizes.

- **Responsibilities:** Individual project
- **Tools and languages:** HTML, Javascript, jQuery, CSS, Visual Studio Code, Google Chrome.

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## Experience

**WEATHERFORD SERVICES** · Gabon · 2013 – 2015

### **MLWD Field Specialist**

Conducted programming, testing, and calibration of equipment sensors. Acquired and processed real time measurement data (telemetry) and developed reports for delivery to clients. Managed installation and setup of real time data acquisition system. Contributed to successful launch and implementation of HyperPulse technology used within horizontal well drilling in Gabon. First engineer from the Gabon base qualified to lead an MWD team on this technology

**HUTCHINSON** · France · 2012

### **Modeling & Calculation Engineer**

Established, developed, and improved algorithms and formulae and code in Expert 3 mechanical calculation software for belt transmission systems (car engines) using Visual Basic language on Visual Studio. Resolved bugs and handle errors. Integrated new transmission configurations and technologies such as start-and-stop. Authored 254 page manual outlining methods and formulae in detail.

### Additional Experience

**Pressure Body Assembler** (2019-2020) · Romet Limited · Mississauga

**Mechanical Assembler** (2019) · Campo Equipment · Brampton

**Assistant Engineer** (2011) · SKF · France

**Technicien d'expertise** (2010) · Hutchinson · France

**Technicien de** (2007-2009) · Schlumberger · Gabon

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## Education & Credentials

**Coding Boot Camp Certificate**, UNIVERSITY OF TORONTO | July 2020

**Engineering Degree; Mechanical & Systems**, POLYTECHNIC SCHOOL OF UNIVERSITY OF TOURS | France | 2012

**Electromechanical Robotics Programming Certificate of Achievement**, with Honors, Humber College, April 2019

**Electromechanical PLC Programming Certificate of Achievement**, Humber College, In Progress

**PEO and OSPE Recognition as an EIT**