

TRISTAN DUCK

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EXPERIENCE

Software Developer **Braebon Medical Corporation** **June 2017 - Present**

Manufacturing Workflow Application (Nuxt JS/Laravel/MYSQL)

- Web database application that is integrated into the manufacturing workflow from start to finish; from serializing and shipping to returns and support
- Built from a previous Laravel-only application by decoupling the view layer from the model and controller layers into two applications: a Laravel-powered RESTful API (Model-Controller) and a front-end Vue JS consumer (View) to allow for easier management, upgradability, and scalability
- Improved code readability by using Vue JS's component-based approach
- Improved data table load times by updating with real-time data instead of refreshing the page on every CRUD action and by optimizing SQL queries

Cloud Management Services (JS/PHP/MYSQL)

- Web application that helps clinicians in a sleep-related focus (cardiologists, dentists, sleep labs, etc) manage their patients using in-house hardware and software
- Developed a video conferencing web-interface using Twilio providing clinicians the ability to set up an appointment call with any of their patients
- Developed a UI for site-wide statistics such as patient-product ownership, country demographics, and product usage

Braebon Main Website (Nuxt JS/Strapi Headless CMS)

- Main website redesign made to be responsive across all devices and fit a more modern aesthetic
- Integrated Strapi Headless CMS to seamlessly integrate a back-end with a simple admin panel. A headless CMS was chosen as only certain images and text needed to be swapped out, and no complicated database design was needed.

PROJECTS

WritePub (Node JS/Express/MongoDB)

- Web application meant to be an author's hub: creating eBooks, collaborating with other authors in real time, and publishing works
- Managed a small team of 6 tasked to redesign and develop an existing web application from the ground up
- Implemented real-time document collaboration using WebSockets which saved to a MongoDB database

SKILLS

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| • Vue.js/Nuxt.js | • MySQL | • Socket.io |
| • Laravel | • MongoDB | • Git |
| • Node.js/Express.js | • JavaScript | • Agile / Scrum |
| • Materialize/Bootstrap | • PHP | • Documentation (PQ/OQ) |

EDUCATION

Ottawa, ON	Algonquin College	September 2017 – April 2019
Computer Programmer		