

# TRISTAN DUCK

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## EXPERIENCE

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

Manufacturing Workflow Application (Nuxt JS [Vue]/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 and performance by using Vue JS's component-based approach
- Improved workflow efficiency by decreasing data table load times, UX improvements, and adding new features

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 & Store (Nuxt JS [Vue]/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 where non-technical employees could manage data
- Fully redesigned storefront and Stripe implementation allowing for customer ease of use and accessibility

## PROJECTS

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

## EDUCATION

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<b>Ottawa, ON</b>	<b>Algonquin College</b>	<b>September 2017 – April 2019</b>
Computer Programming		