

Derek J. Johnston

derek@derekjohnston.ca

<http://derekjohnston.ca>

<https://github.com/derekjj>

<https://www.linkedin.com/in/derekjohnston>

Software Developer

Development Experience

Lead Fullstack Developer, YHP

May 2021 – Oct 2023

Technologies NextJS, ReactJS, Redux, TypeScript, NodeJS, GatsbyJS, JavaScript, WordPress, Symfony, Docker, Azure, AWS, Postman, ClickUp, Bitbucket, Playfab, PlayFabXR.

Projects Description

Overview As the lead Full Stack Developer, I spearheaded the development of numerous projects, actively engaged in both frontend and backend tasks. I successfully revitalized an ongoing project undergoing frequent redesigns by implementing a white-labeling approach, ultimately transforming it into a Software as a Service (SaaS) product. Additionally, I conducted staff reviews, managed interviews, and facilitated employee exits as integral components of my responsibilities. Moreover, I played a collaborative role by assisting other teams, actively contributing to unblocking software engineers and fostering a culture of teamwork and shared success.

Wonderlab Led teams in the creation of a collection of gamified Software as a Service (SaaS) products, comprising an HR onboarding system, a private event platform with both online and in-person functionalities, and an administrative hub application.

Game Websites Engaged in the contribution to multiple video game websites.

Admin A dynamic and responsive website that reacts in real-time to changes initiated through
Controllers an admin panel. The admin panel not only manages the website but also controls a Unreal app, and user interactions directly impact the functionality of the app.

Johnston Software Development

Jan 2020 – May 2021

Technologies Postman, Jira, Bootstrap, Tailwind, Yarn, Git, CSS, SCSS, SQLite, RoomDB, PHP, NuxtJS, VueJS, ReactJS, NodeJS, JavaScript, Swift, Java, and Flutter (Dart).

Projects Description

Communication Ongoing development of a **Flutter** communication application in order to assist verbally
Aid limited individuals, family, friends and assist support professionals.

Zero Projects Developed a shipping **JAVA ANDROID** application in order to replace an existing **Cordova** app. Utilizing **Postman**, **Git**, and **RoomDB**.

Tackle Hunger	Developed a map component in order to display food banks and their needs across North America. Utilizing Yarn , Tailwind , Git , ReactJS , and Algolia (utilizes google Map).
Who's Jimmy	Ongoing development of a professional portfolio for a skilled film craftsman and clock-smith. Utilizing VueJS/NuxtJS and PHP .

Software Developer, Phoenix Quality

May 2018 – Sept 2019

<u>Technologies</u>	Postman, Sentry, Ruby on Rails, Scout, Jira, Bootstrap, Yarn, Git, CSS, SCSS, HTML, SQL Server, PowerShell, Pester, Cypress, PostgreSQL, Gatling, NuxtJS, VueJS, JavaScript, Scout, Swift, Flutter (Dart).
<u>Projects</u>	<u>Description</u>
Overview	<p>Worked as a Software Craftsman for “E-Data Now!” (EDN) product. EDN is a near real time data collection system. The primary use case is inspection and auditing in the automotive industry. Typically, a user will perform audits using EDN Client (iOS/Swift/C++) and enter their timesheets using EDN Time (Flutter/Dart). The data is pushed up to a Rails API, where it is presented to the Web Administrators using a cutting edge Nuxt.js/Vue.js frontend stack.</p> <p>I had the opportunity to write code for the frontend, and backend while assisting with mobile bug fixes. Beyond my developer duties, I maintained test plans and test cases for the entire suite of EDN products. While performing testing duties, I was also mandated to write automated and load tests.</p>
Internship	<p>During a one-month internship I completed Ruby on Rails, Vue.js, and clean code tutorials. Skillfully demonstrated knowledge by improving dashboard functionality by adding rearrangeable / drag and drop capabilities.</p>
S3 Bucket Script	Improved PowerShell CSV script to include identifiable errors and added Pester unit tests to ensure functionality. Conducted teleconference meeting with overseas customer to inform them of the improvement, and to ensure customer satisfaction.
Web	<p>In order to meet Canadian accessibility standards, I enhanced accessibility, and developed Cypress tests to verify the requirements were being met.</p> <p>Created Gatling scripts to generate heavy real-world load in order to observe bottlenecks in performance.</p> <p>Lead a blitz to improve application performance averages. Regularly identified slowest API calls using Scout APM. Optimized slowest API calls by adding indexes, reducing n+1 call's, and migrating to faster serializers.</p>
iOS	Crucial in detecting redundant Swift function calls leading to unintended behavior.
Cross Platform	Identified Flutter code base bugs through personal Flutter app experience.

Software Developer, Oiika

May 2017 – March 2019

<u>Technologies</u>	NodeJS, ReactJS, MongoDB, Stripe, Google Maps API, React Native
<u>Projects</u>	<u>Description</u>
Web App	Worked as part of the development team developing Oiika for connecting tutors to tutees, utilizing google maps for visual displays of service areas and stripe to handle transactions.
Mobile App	Lead the charge to develop a mirror React Native mobile application.

Education

Computer Programmer Analyst Advanced Diploma(3yr), Durham College

April 2018

<u>Technologies</u>	PHP, ASP, JAVA, COBOL, SQL, MySQL, C#, C++, Visual Basic, VISIO, Ubuntu, MS Studio, phpMyAdmin, Android studio, Visual Studio, Xamarin, Spring, ReactJS, Ruby on Rails.
<u>Project</u>	<u>Description</u>
Final Project	Lead Developer for a mobile communication application using Xamarin targeting verbally limited individuals.