Derek J. Johnston

Senior Software Developer

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Development Experience

May 2017 - 2024++

Senior Full-stack Developer, YHP

May 2021 – Oct 2023

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

- Spearheaded the development of numerous projects, handling both frontend and backend tasks.
- Revitalized an ongoing project by implementing a white-labeling approach, and then transforming it into a SaaS product.
- Conducted staff reviews, managed interviews, and facilitated employee exits.
- Assisted other teams, actively contributing to unblocking software engineers and fostering a culture of teamwork and shared success.

Wonderlab:

- White-labeled the event platform to reduce setup costs of new live events.
- Led multiple teams to create a collection of gamified SaaS products, including an HR onboarding system, a private event platform with online and in-person functionalities, and an administrative hub application.

Game Websites:

- Contributed to various video game websites using diverse technology stacks.

Admin Controllers:

- Developed a dynamic and responsive website with real-time changes via an admin panel, controlling both the website and an Unreal app, with user interactions impacting app functionality.

Freelance, Johnston Software Development

Jan 2020 – May 2021

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

- **Communication Aid:** Developed a Flutter communication application for verbally limited individuals, their families, friends, and support professionals.
- **Zero Projects:** Created a shipping JAVA ANDROID application to replace an existing Cordova app.
- **Tackle Hunger:** Developed a map component to display food banks and their needs across North America.
- **Who's Jimmy:** Ongoing development of a professional portfolio for a skilled film craftsman and clock-smith using VueJS/NuxtJS and PHP.
- **Additional projects:** included e-commerce websites and components, mobile apps, and custom software solutions tailored to client needs.

Software Developer, E-Data Now!

May 2018 – Sept 2019

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).

- Worked as a Software Craftsman for "E-Data Now!" (EDN), a near real-time data collection system for inspection and auditing in the automotive industry. Users performed audits with EDN Client (iOS/Swift/C++) and entered timesheets with EDN Time (Flutter/Dart). Data was pushed to a Rails API and presented to Web Administrators using a Nuxt.js/Vue.js frontend stack.
- Developed frontend and backend code while assisting with mobile bug fixes.
- Maintained test plans and test cases for the entire EDN product suite, and wrote automated and load tests.

Internship:

- Completed Ruby on Rails, Vue.js, and clean code tutorials.
- Improved dashboard functionality by adding rearrangeable/drag and drop capabilities.

S3 Bucket Script:

- Enhanced a PowerShell CSV script to include identifiable errors and added Pester unit tests. Conducted teleconference meetings with overseas customers to inform them of the improvements and ensure customer satisfaction.

Web:

- Enhanced accessibility to meet Canadian standards and developed Cypress tests to verify requirements.
- Created Gatling scripts to simulate heavy real-world load and identify performance bottlenecks.
- Led a performance improvement blitz, regularly identifying and optimizing slow API calls using Scout APM, adding indexes, reducing n+1 calls, and migrating to faster serializers.

iOS:

- Identified & resolved redundant Swift function calls that led to unintended behavior.

Cross Platform:

- Identified bugs in the Flutter code base through personal Flutter app experience.

Software Developer, Oiika

May 2017 – March 2019

NodeJS, ReactJS, MongoDB, Stripe, Google Maps API, React Native

- Developed the Oiika web app to connect tutors to tutees, utilizing Google Maps for service area visualization and Stripe for transactions.
- Led the development of a mirror React Native mobile application.

Volunteer Experience

- Event Leader, Virtual Coffee - May 2024 – **Present**
- Room Leader, Virtual Coffee - Nov 2023 – **Present**
- Community Member, Virtual Coffee - Mar 2023 – **Present**
- Frontend Developer, Crown International - Apr 2020 – May 2020
- Hackathon Lead, Mintbean - Feb 2020 – Sept 2020

Education

Computer Programmer Analyst (3yr Advanced Diploma), Durham College 2018

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, python.

Final Project:

- Lead Developer for a mobile communication application using Xamarin, targeting verbally limited individuals.