

JUSTIN CONABREE

Senior Full-Stack Developer

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TECHNICAL COMPETENCIES

Underscore denotes expertise. See more technologies I use at justinconabree.com#skills

Programming Languages: [JavaScript](#), [TypeScript](#), [Node.js](#), [PHP](#), Python, Go

Frontend: [NextJS](#), [React](#), [TailwindCSS](#), [Webpack](#), Vue, Lit, Vite, CSS, SCSS

Backend: [GraphQL](#), [MySQL](#), Laravel, Postgres, RabbitMQ, MongoDB, Elasticsearch, Redis

DevOps: CI/CD ([GitHub](#), [Bamboo](#)), [Docker](#), Bash/Shell scripting, AWS (S3, EC2, RDS, ELB, Lambda), Vercel, New Relic, Grafana

Quality Assurance: [Jest](#), [Lighthouse](#), Cypress, PHPUnit, Blackfire, DebugBear, Storybook

PROFESSIONAL EXPERIENCE

VALTECH, MONTREAL, QC

DEC 2020 – PRESENT

Senior Full-Stack Developer (Senior Practice Expertise Developer – Adobe)

Overview: Leading efforts to master new technologies unfamiliar to the company by creating platform accelerators, comprehensive training material, and integrating directly into development teams.

- Helped develop and launch Valtech's three first Edge Delivery Services projects (JS, TS, React, Tailwind, CSS, GraphQL, Fastly, Github Actions, Go). One of which won bronze for Valtech's "Omni-Channel Innovation" award, and another was showcased by Adobe at Adobe Summit 2025
- Developed a Node.js framework that leverages webpack hooks to match files in vendor packages and apply patches through developer-friendly code
- Reduced PWA Studio's first load time by 3+ seconds by creating a build-time GraphQL caching system for static configurations to reduce network calls and render delays
- Improved PWA Studio's Cumulative Layout Shift (CLS) from 0.4 (poor) to 0.005 (good) by inlining key page data in the server's response, adding loading shimmers, and preloading next page data. Presented these best practices as a guest speaker at Reacticon 2021
- Earned "Top Contributor" on PWA Studio repo while integrated into Adobe's development team for 8+ months
- Built a Style Guide feature using React and Node.js which matches Tailwind configuration to real component usage to give the design team better insight into the impact of their color, sizing and spacing decisions
- Developed numerous features across backend (PHP, GraphQL) and frontend (JS, React, Tailwind) including but not limited to Store Locator, B2B support, BOPIS, AEM Blog, Moneris payments, Shopy By Brand
- Performed 10+ platform updates including two major versions and three PHP versions. Ensuring compatibility across our 115+ modules through static analysis (phpstan, Ampersand, phpcs, phpmd), unit tests, and manual testing
- Authored three onboarding programs and performed the onboarding, exercise review, and coaching for 20+ developers
- Created CLI tooling to help tedious developer tasks such as CSP parsing and attribution, translation extraction from source code, and EDS content page generation
- Created CI/CD processes to help enforce coding standards and quality assurance, as well as deploy our packages to JFrog/Artifactory for use in projects

Overview: Developed features, fixes, and integrations for 11+ brands' Adobe Commerce projects. Promoted to Team Lead in 2018 to ensure code quality, optimal team performance and lead client communications.

- Integrated Adobe Commerce with Microsoft Navision (ERP) using PHP, REST API and RabbitMQ to synchronize products (200k+), prices, and inventory across two separate brands
- Refactored and structured the frontend for a project in a way that allowed reusing common components across their three brands while still maintaining varied styling
- Helped increase the team's performance through mentoring and ensuring best practices while maintaining agile methodology
- Worked with an external agency to incorporate machine learning and computer vision into the e-commerce platform for personalized eye-glasses recommendations
- Developed a custom headless B2B configurator and quote experience for an HVAC company, using React, Redux, Material UI, with GraphQL and Adobe Commerce on the backend

STRUCTUBE, MONTREAL, QC
Web Developer

APR 2015 – OCT 2016

Overview: Worked on web-related projects in the marketing team and collaborated with an external web agency for Structube's e-commerce platform (Magento)

- Worked closely with graphic designers to create the "Beyond the Product" microsite (JS, CSS) which launched weekly interactive video campaigns showcasing how their products were made. The project was a finalist on Awwwards in 2016 and received the Award of Distinction from the Association of Registered Graphic Designers (RGD)
- Contributed to a doubling in company-wide revenue YoY by developing features such as In-store Pickup and Lookbook/blog for the Magento site using nwayo (JS, SCSS) and PHP
- Lead the migration to DotMailer (EMS) and subsequent automation of marketing campaigns and e-commerce integrations such as "abandoned cart" and "other's bought x"
- Integrated GetCandid (shoppable Instagram) into product pages and created a grid widget for reuse on CMS pages
- Created an interactive display experience using Three.js and Facebook/Twitter integration to display real-time social media discourse during a product-line launch event

EFFECTIVE MOMENTUM, MONTREAL, QC
Jr. Web Developer

AUG 2014 – APR 2015

Overview: Developed features, functionality and user interfaces for remote digital display devices

- Developed a user interface using canvas (JS) and draggable elements to map out a content playback timeline
- Developed custom jQuery widgets for varying functionality to be displayed on digital signage such as clocks, marquees, and weather information
- Coded Delphi applications to poll system information and display capture
- Developed user dashboards to surface system information through informative graphs and statistics (JS, CSS)
- Created content scheduling interfaces and publishing mechanics (JS, CSS, PHP, MySQL)
- Created a content management interface to view, add, and remove resources from the remote machine
- Implemented the user authentication flow
- Performed SEO audits and applied necessary fixes to markup, metadata, and performance issues

OTHER PROJECTS

Momentiv Website to display services and blog LINK	Next.js, TypeScript, Contentful, TailwindCSS, GraphQL, Vercel
Trekforhope Fundraising campaign for cross-Canada cycling LINK	Laravel (Passport, Nova), React, Google Maps, Material UI
Gaming Table Foundry VTT LED integration LINK	TypeScript, React, Vite, Python, Bash, Node.js, Express
Rex NFC Receipts LINK	Laravel (Nova, Passport, Multi-tenant), React, Arduino, REST
Homelab Self-hosted media server	Docker, Caddy, Next.js, Just, Cloudflare, SSO
Remote Deck mobile Streamdeck alternative	Go, GraphQL, Next.js
Helicopters Offshore Helicopter pilot WFM software	JavaScript, CSS, PHP, MySQL, Twilio SMS, MPDF
Canada Post Tracker Tool for CP employees to find lost packages	Laravel Nova, React, Material UI, OCR

EDUCATION & CERTIFICATIONS

- Certification – Adobe Commerce Expert Developer | Adobe 2019
- Certificate – Fundamentals of Magento Development | Magento U 2015
- AEC – Web and Database Programming | Vanier College 2014
- DEC – Social Science | Vanier College 2013

LANGUAGES

- English, French