



Nathan Brooks

## Full Stack Developer

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## PROFILE

Full Stack Developer with 8 years of experience driving performance, reliability and scalability of customer-facing web applications.

Effectively led full stack development resulting in 25% faster loading times and improved user experience. Deployed applications to multiple cloud-based production environments, set up and maintained a relational database system, integrated third-party services and created web-based CMSs resulting in quicker information and feature updates.

## PROFESSIONAL EXPERIENCE

**Full Stack Developer, Kansai System House** 11/2021 – present

- Led full stack development for a customer-facing web application, resulting in 25% faster loading times and an improved UX/UI.
- Optimized application performance by identifying and refactoring inefficient code, resulting in a 20% increase in speed.
- Deployed applications on multiple cloud-based production environments and maintained staging environments for testing, resulting in a 30% increase in code quality.
- Implemented automated tests and test suites, reducing the number of bugs by 30% and improving overall code quality by 25%.

**Web Applications Developer, VizworX** 04/2019 – 10/2021

- Optimization web services and APIs that enabled seamless communication between front-end and back-end components, enhancing performance by 20%.
- Set up a relational database manager for storage, retrieval, and manipulation of data, leading to improved data accessibility by 30%.
- Utilized source control, automation tools, and CI/CD processes to improve product life cycles and optimize production releases speed by 25%.
- Developed databases and data storage solutions, improving data retrieval times by 40% and reducing data loss by 50%.
- Collaborated with the UX team to optimize the user experience, resulting in a 15% increase in customer satisfaction scores.

**Junior Full stack Developer, Red Cherry** 10/2016 – 03/2019

- Integrated a wide range of third-party services and components like payment gateways, geo-location services, and social media logins.
- QA of a monitoring and alerting program, resulting in a 90% reduction in downtime and a 80% reduction in incident response time.
- Monitored system health, debugged performance issues, and optimized applications, resulting in a 25% increase in code quality.
- Identified and addressed software security issues, resulting in a 40% reduction in security vulnerabilities and a 30% increase in security.

Researcher, Carleton University07/2014 – 10/2016

- Integrated Stripe API into a React progressive web app (PWA) to purchase digital services.
- Designed custom solutions for clients from multiple industries, including oil and gas, education, emergency response, and health services.

SKILLS

Client-Side	Server-Side	Development & Operation
<ul style="list-style-type: none"><li>HTML5</li><li>CSS3</li><li>JavaScript</li><li>TypeScript</li><li>React</li><li>MUI</li><li>Bootstrap</li><li>Redux</li><li>UI/UX Design</li></ul>	<ul style="list-style-type: none"><li>Python</li><li>Node.js</li><li>Django</li><li>TensorFlow</li><li>JSP</li><li>Flask</li><li>ElasticSearch</li><li>SQL</li><li>Oracle</li><li>MongoDB</li></ul>	<ul style="list-style-type: none"><li>Agile</li><li>Scrum</li><li>Git</li><li>JUnit</li></ul>

LANGUAGES

English●●●●●Chinese●●●●●

EDUCATION

Bachelor's Degree in Computer Science,Carleton University10/2010 – 06/2014 | Ottawa, Canada

COURSES

International Business University of Quebec	2020
Bachelor of Computer Science Nanyang University	2019

STRENGTHS

**Team Leadership,** Introduction to Leadership course by Harvard

**Communication,** Attended a Communication course at Stanford.