

Nicholas Leduc

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Professional Experience

Automation Software Developer, *House of Commons*

05/2023 – 08/2023 | Ottawa, Canada

- Leveraged Robot Framework to build automation scripts for a thick desktop security software, empowering colleagues to accelerate repetitive and complex tasks
- Successfully orchestrated the entire research, design, architecture, and development process all by myself, leveraging my expertise to create a robust solution that surpassed all expectations
- Took charge of integrating the automation scripts into Microsoft's Azure DevOps, empowering cross-functional teams to collaborate effectively, track changes, and deploy the software efficiently

Full Stack Developer, *TutorOcean* 🔗

09/2022 – 12/2022 | Ottawa, Canada

- Developed REST API endpoints using Node.js to efficiently fetch and query data from a MongoDB database
- Re-created numerous web pages by utilizing React and Next.js which drastically improved SEO.
- Implemented various SEO strategies, including appropriate metadata, title tags, and structured data, to optimize website content for search engine crawlers
- Utilized Tailwind CSS to style and format the front-end

Front-End Web Developer, *QuadC* 🔗

09/2022 – 12/2022 | Ottawa, Canada

- Developed and implemented feature enhancements on the QuadC platform by using React.js
- Utilized React components and state management to create interactive and dynamic elements
- Successfully identified and resolved various bugs in order to meet customer needs
- Styled web pages using CSS

Test Automation Software Developer, *QuadC/TutorOcean* 🔗

05/2022 – 12/2022 | Ottawa, Canada

- Developed robust and scalable regression automation tests using Robot Framework and Selenium, ensuring consistent and reliable software quality
- Maintained the pre-existing tests, ensuring reusability, maintainability, and compatibility with evolving software components
- Conducted back-end REST API regression tests to ensure appropriate endpoints were working properly

Projects

Full Stack Time Management Task Board App, *TwoDue* 🔗

- Designed the front end by constructing components using React and Next.js and styled with Tailwind CSS
- Engineered the back-end by utilizing the built-in Next.js API to create various end-points in order to fetch and query for appropriate data from the database
- Stored all the user data in various MongoDB collections (User info, tasks, boards) so that all information is saved automatically and data does not get lost
- Implemented a login system using Next Auth so that users can save their info and data through an account based system

Contracted Website, *Krew Home Inspectors* 🔗

05/2023 – 07/2023

- Collaborated with two colleagues to develop a front-end website for a client, utilizing React.js and Next.js frameworks to deliver a highly optimized and performant user interface
- Successfully enhanced the site's SEO by strategically adding appropriate meta data to each page and submitting sitemaps to search engines, improving discoverability and optimizing the indexing process
- Demonstrated strong project management skills by organizing and conducting weekly meetings with the client and team members, fostering collaboration and ensuring alignment on goals and objectives

Personal Website, *Nick Leduc* 🔗

- Utilized React and Next JS to create components in order to develop a full front-end website
- Implemented CSS and frameworks such as Tailwind to style and animate the front-end

Technical Skills

Programming Languages

Python, Java, JavaScript, TypeScript, C, C++, Robot Framework

Technical Tools

Git, Github, GitLab, Jira, Microsoft Azure Dev Ops, Asana, SEO, Test Automation

Programming Libraries

React.js, Next.js, Tailwind CSS, Robot Framework (Selenium, Database Library),

Databases

MongoDB, SQL, REST-API, Node.js, Querying

Education

Bachelor of Computer Science, Software Engineering Stream, *Carleton University*

09/2020 – present | Ottawa, Canada

- Third-year standing; 10.71/12 (A-) CGPA, 11.21/12 (A) Major CGPA
- Dean's Honors List: All Preceding Semesters
- Expected Graduation April 2025