Nicholas Leduc

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Education

Bachelor of Computer Science, Software Engineering Stream, *Carleton University* 09/2020 – present
- Third-year standing; 10.71/12 (A-) CGPA, 11.21/12 (A) Major CGPA Ottawa, Canada
- Dean's Honors List: All Preceding Semesters
- Expected Graduation April 2025

Professional Experience

Full Stack Software Developer, *House of Commons* 01/2024
- Will be utilizing C# to create, manipulate and manage data in the SQL database
- Will develop enhancements and solved issues on the platform using JavaScript jQuery, HTML, and CSS
- Expected technologies and tools that I will be using are CI/CD, PowerShell, XML/XSD, ASP.NET, and Microsoft Azure Cloud

Automation Software Developer, *House of Commons* 05/2023 – 12/2023
- Leveraged Robot Framework to build automation scripts and regression tests
- Successfully led the entire research, design, architecture, and development process of the project
- Developed comprehensive documentation including READMEs, build books, release notes, and user documentation
- Took charge of integrating the automation scripts into Microsoft's Azure DevOps, making deployment of the software more efficient

Full Stack Software Developer, *TutorOcean/QuadC* 09/2022 – 12/2022
- Developed REST API endpoints using Node.js to efficiently fetch and query data from a MongoDB database
- Re-created numerous web pages utilizing React and Next.js resulting in significant improvements in SEO and page speed through server side rendering
- Developed feature enhancements and resolved bugs on the platform using React.js
- Utilized Tailwind CSS to style and format the front-end

QA Automation Software Developer, *TutorOcean/QuadC* 05/2022 – 09/2022
- Created robust regression automation tests using Robot Framework and Selenium, ensuring consistent and reliable software quality
- Maintained pre-existing tests, ensuring reusability, and maintainability with evolving software
- Conducted back-end REST API regression tests to ensure appropriate endpoints were returning the proper status and response

Projects

Full Stack Time Management Task Board App, *TwoDue* 🔗
- Designed the front end by constructing components using React and Next.js while styling it with Tailwind CSS
- Engineered the back-end by utilizing the built-in Next.js API to create various end-points in order to query for appropriate data from the MongoDB database
- Utilized Mongoose to establish schemas across various collections (users, boards, tasks) for consistent data management and preservation
- Developed a login system leveraging Next Auth, fortified with strong password hashing techniques, ensuring users can confidently safeguard and manage their data within an account-based system

Contracted Website, *Krew Home Inspectors* 🔗
- 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

Technical Skills

Programming Languages
JavaScript, Python, C++, Java, TypeScript, C, C#, Robot Framework

Database and Data Management
MongoDB, Mongoose, Hashing, SQL, REST-API, Querying, API Testing, HTTP methods

Programming Libraries and Frameworks
React.js, Next.js, Tailwind CSS, Robot Framework (Selenium, Database Library, Sikuli)

Version Control and Collaboration
Git, Github, GitLab, Scrum Agile Framework, Jira, Microsoft Azure Dev Ops, Asana, Microsoft Teams