**Will Midgette**

**Full Stack Developer**

Toronto, ON ♦ (647) 523 8234 ♦ wamidgette@gmail.com

[**GitHub**](https://github.com/wamidgette)[**LinkedIn**](https://www.linkedin.com/in/will-midgette-5399a3189/)[**Portfolio**](https://willmidgette.com/)

Professional Summary

Full-stack developer with a background in civil engineering and project management. Experience developing scalable, data-driven web applications with JavaScript, React.js, Node.js, PHP, CSS, and HTML, among other languages and frameworks. Passion for solving problems, combining aesthetics and functionality.

Technical Skills

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| --- | --- |
| * CSS3 (LinkedIn Skill Badge - Top 5%) * Sass/Scss * Responsive design * JavaScript * SuiteScript * Node.js (LinkedIn Skill Badge - Top 15%) * React.js * PHP (LinkedIn Skill Badge - Top 15%) | * Laravel * WordPress * MySQL (LinkedIn Skill Badge - Top 15%) * NoSQL (MongoDB) * Object-oriented programming (OOP) * Git version control * SEO |

Work Experience

**Full-Stack Developer**, February 14, 2022 to Present

**Pliteq Inc.**

* Deployment of all company web applications through AWS using Nginx
* Create new and improve existing features in Laravel application for sharing company research with employees and engineering consultants
* Design and develop internal full-stack JavaScript applications in Vue and/or React and Node.js such as information dashboards, label printing applications, and various tools for production operators
* Develop client-side and server-side SuiteScripts to automate company-specific processes in Netsuite
* Integration JavaScript applications with NetSuite using Token-Based-Authentication
* Develop Netsuite to 3PL integrations with BOOMI for sales orders and transfer orders, mapping data between XML and EDI
* Manage company WordPress Multi-site, currently adding additional domain for Mainland China

**Full-Stack JavaScript Developer Intern**, October 4, 2021 to December 23, 2021

**Bird&Be**

* Worked under Senior Developer to build new features and modify existing ones for company website
* Developed the new product recommendations webpage from start to finish using React.js functional components, and API methods within Next.js framework
* Implemented Swiper and PhotoSwipe APIs to create carousels and modal image galleries for products
* Developed API methods for fetching data from BigCommerce endpoints
* Optimized page load times by looking for opportunities to send HTTP requests in parallel
* Used skills in Sass to minimize CSS code and reduce number of media queries
* Reproduced mockups from the design team using skills in CSS grid, flexbox, animations, etc.
* Collaborated with designer to achieve best end result, advising on development restrictions and proposing alternative solutions

**API Developer**, **Freelance** September 2021 to present

**JBox Creative**

* Created WordPress endpoint for hotel rental company allowing them to update all hotels on their website daily through a single POST request
* Developed function to convert request body data to JSON and store in archive at dynamically routed locations for easy future reference
* Developed function to update custom fields and taxonomies of WordPress posts from JSON data **–** when a post does not exist in the database, a new one is automatically created and populated

Education

**Cert., Web Development**: September 2020 to October 2020

**Humber College**, Toronto, ON

One-year graduate certificate focused on building skills in web development. Focus on PHP, JavaScript, MySQL, HTML, and CSS.

**B.Eng, Civil Engineering & Co-op**: September 2013 to April 2019

**McMaster University**, Hamilton, ON

Five-year engineering degree program focused on teaching core engineering principles through problem-based learning. Developed logical problem-solving skills.

NetSuite Integrated Web Applications

**Photo Upload React App – Helps users evaluate cities based on criteria of their choosing**

* Goal: reduce need to tag products with material shipment information print-outs by storing information on NetSuite
* Solution: Created React application accessible only through NetSuite account to perform function
* Application allows user to enter a work order, capture an image of material shipment information through USB camera, and upload the image to the work order
* User submits work order triggering NetSuite RESTlet function verifying whether the Work Order exists
* User can start the USB camera, which creates a video stream in an HTML video element on top of an HTML canvas element
* When user clicks “capture image” video stream is paused and the content on the canvas is stored as a base 64 encoded data url and sent via POST request to a RESTlet, uploading the image to the work order the user entered

JavaScript Projects

[**Explore Cities Project**](https://willmidgette.com/explore-a-city)– **Helps users evaluate cities based on criteria of their choosing**

* Interactive webpage utilizing Google Maps API, Teleport API, and Chart.js
* Displays quality of life information for a city when map is clicked by the user
* Google Maps API obtains geo-coordinates of nearest city upon user click of the map
* GET request sent to Teleport API for information based on geo-coordinates using fetch() method
* Data from Teleport API response used to update Chart.js bar chart

[**Daredevil Dave**](https://willmidgette.com/daredevil-dave/) **– JavaScript and CSS animation game**

* Uses CSS animations triggered by JavaScript event listeners to shoot a daredevil out of a cannon
* The user presses the spacebar at just the right time to shoot the daredevil through the hoop
* Uses JavaScript to obtain daredevil coordinates verifying whether he makes it through the hoop – if he does, a point is added to the user’s score
* Count-down from 60 seconds starts when the user begins the game using JavaScript timing events

**Node.js Coding Challenge – Publicly accessible JSON API layer for interfacing with an external API**

* JSON API built using Node.js listens for get requests on two routes: “/api/posts” and “/api/ping”
* Query parameters are validated and used to filter and sort results from external API
* This project was graded “Outstanding” and “Excellent” for correctness and performance, respectively by the evaluator