

KATHARINE MCCLENAGHAN

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Full stack web developer leveraging background in education, particularly in special needs, to bring a fresh and diverse skill set to the field. Earned a certificate in Full Stack Web Development from the University of Toronto. Enthusiastic about merging a passion for technology with educational expertise. Focused on developing user-centric applications that prioritize accessibility and inclusivity for all users. Using transferable skills from working in education, such as strong problem-solving abilities, taking an empathetic approach and teamwork. Thriving in collaborative environments, and dedicated to seeing projects through from ideation to execution.

TECHNICAL SKILLS

Front-end Proficiencies:

HTML 5, CSS3, JavaScript E6+, jQuery, Responsive Design, Accessible Web Design, React, Bootstrap, Handlebars

Back-end Proficiencies:

SQL, MySQL, NoSQL, Sequelize, MongoDB, Mongoose, APIs, REST, GraphQL, Express, Node

Other:

Git, Github, Photoshop, Adobe Express

PROJECTS

Star Signs | <https://github.com/kemcclen/StarSigns> | <https://kemcclen.github.io/StarSigns/>

- Summary: An application that combines astrology and astronomy
- Role: Front end developer
- Tools: HTML, CSS, JavaScript, Bootstrap, GoogleFonts, APIs

TastyBytes | <https://github.com/kemcclen/TastyBytes> | <https://tastybytes-1e5618d2a801.herokuapp.com/>

- Summary: Full-stack web application that allows users to share recipes with other users online.
- Role: Full-stack developer
- Tools: HTML, CSS, JavaScript, Express, RESTful API, Handlebars, MySQL, Sequelize, Heroku

JATETextEditor | <https://github.com/kemcclen/JATETextEditor> | <https://jate-the-great-54ad32f67b8f.herokuapp.com/>

- Summary: Progressive Web Application (PWA) Text Editor is a browser-based text editor that allows users to create and store notes or code snippets even without an internet connection
- Role: Full-stack developer
- Tools: JavaScript, IndexedDB, Webpack, Workbox, idb package (lightweight wrapper for IndexedDB), Heroku

EDUCATION

UNIVERSITY OF TORONTO

CODING BOOTCAMP

Learned a market-driven full-stack curriculum

Toronto, ON

2023

LAKEHEAD UNIVERSITY

BACHELOR OF EDUCATION

Creating engaging learning environments and applying effective teaching methodologies

Orillia, ON

2016

EXPERIENCE

TORONTO DISTRICT SCHOOL BOARD

Toronto, ON

Education

Autism Summer Leisure Program Instructor

2023

- Facilitated daily activities and supported students with autism in understanding and implementing the Zones of Regulation framework.
- Collaborated closely with parents, providing guidance and resources to enhance their understanding and support of their children's needs, fostering effective communication and partnership.

TORONTO DISTRICT SCHOOL BOARD

Toronto, ON

Education

Grade 4 Teacher

2023

- Fostered a positive classroom environment by establishing clear expectations for behavior and promoting a culture of respect, inclusivity, and diversity.
- Leveraged technology to differentiate instruction and meet the diverse learning needs of students, providing personalized learning experiences that helped students succeed.

TORONTO DISTRICT SCHOOL BOARD

Toronto, ON

Education

Library and English Language Learner Resource Teacher

2021- 2022

- Assessed and supported students in class, modifying materials based on their STEP profile
- Provided innovative and engaging partnering opportunities for all grades including robotics, coding, makerspace, STEAM, Global citizenship etc;
- Provided ongoing support and training to students and colleagues on the use of technology tools and resources, serving as a resource and mentor for technology integration in the classroom.

MRS. TUTOR

Toronto, ON

Education

Tutor

2020- Present

- Provided one-on-one instruction to students of all grade levels and adults with developmental delays

PROTOCOL EDUCATION

London, UK

Education

Supply Teacher/Long-Term Supply Teacher

2016- 2018

- Successfully taught various subjects and grade levels in different schools and classrooms as a supply teacher.
- Implemented lesson plans and adapted to different teaching styles to meet the needs of the students.

PERSONAL INFORMATION

- Additional Qualification: Mathematics Primary and Junior Part I - 2020
- Additional Qualification: Teaching English Language Learners Part I - 2019
- Additional Qualification: Teacher Librarian Pat I - 2020
- Additional Qualification: Special Education Part II - 2020
- Additional Qualification: Special Education Part I - 2019
- American Sign Language Part 1 A - 2020
- American Sign Language Part 1 B - 2021