KATHARINE MCCLENAGHAN   **Software Engineer**

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SOFTWARE ENGINEER | EDUCATOR

PROFESSIONAL SUMMARY

Full stack web developer leveraging background in education, particularly in special needs, to bring a fresh and diverse skill set to the field. Enthusiastic about merging a passion for technology with educational expertise. 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

- HTML 5
- CSS3
- JavaScript E6+
- jQuery
- Bootstrap
- Handlers
- React

- Node
- SQL
- MySQL
- Sequelize
- NoSQL
- MongoDB
- Mongoose

- GraphQL
- Express
- APIs
- REST
- Git
- Responsive Design
- Accessible Web Design

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://tastybyts-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

TechNet | https://github.com/kemcclen/TechNet | https://technet-0016a9aebc4f.herokuapp.com/
- Summary: Full-stack web application that allows users to create and comment on blog posts.
- 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   Toronto, ON
CODING BOOTCAMP   2023
    Learned a market-driven full-stack curriculum

LAKEHEAD UNIVERSITY   Orillia, ON
BACHELOR OF EDUCATION
    Creating engaging learning environments and applying effective teaching methodologies   2016

LAKEHEAD UNIVERSITY   Orillia, ON
HONOURS BACHELOR OF ARTS AND SCIENCE   2016
    Specialization in Geography and Sociology

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.

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
- Trapping Hackers with Honeytokens- GitGuardian- 2023