

# Zachary McRae

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## About Me

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In late 2020 I decided to take a new career path and for all of 2021 committed my full time to learning web development. In the past I have used python for small hobby/fun projects and eventually brought that over into my previous career. Realizing how much I loved learning and implementing new technologies I decided to pursue it full time. This year I have spent 1000+ hours learning and coding as well as making 900+ commits so far this year.

## Skills

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**Languages/Runtimes:** Javascript, Nodejs, Python

**Frameworks:** React, Express, Flask, FastAPI

**Tools:** HTML, CSS, Bootstrap, MongoDB, SQL, SwaggerUI, Git, Nginx

## Projects

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### Portfolio Site - Oct 2021

*Javascript, React,  
Styled-Components*

THIS SITE TELLS YOU A LITTLE ABOUT ME, THE PROJECTS I HAVE COMPLETED AND WHAT SKILLS I HAVE LEARNED. ON THIS PROJECT I LEARNED THE STYLED-COMPONENTS CSS LIBRARY AS WELL AS USED ANIMATIONS TO DRAW THE USERS ATTENTION TO CERTAIN ELEMENTS.

*<http://zakmcrae.com>*

### Whisky Warehouse - Sep 2021

*Nodejs, Express, MongoDB*

A FAKE WHISKY STORE/CATALOGUE IN WHICH YOU CAN CREATE, EDIT, UPDATE AND DELETE PRODUCTS. THIS PROJECT GOT ME FAMILIAR WITH NODEJS/EXPRESS, MONGODB/MONGOOSE ODM AND PUG HTML TEMPLATES.

*<https://young-eyrie-64675.herokuapp.com/>*

### The Tool Store - Aug 2021

*Javascript, React, CSS*

SMALL E-COMMERCE PAGE WITH FUNCTIONAL SHOPPING CART. THIS PROJECT SOLIDIFIED MY REACT KNOWLEDGE (STATE, PROPS, CLASS AND FUNCTIONAL COMPONENTS, HOOKS AND REACT-ROUTER-DOM).

*<https://zakmcrae.github.io/shopping-cart/>*

### The Blog - Apr-May 2021

*Python, FastAPI, SQLite, SwaggerUI,  
Nginx*

A BLOG WEBSITE, FRONTEND MVC AND BACKEND API. THIS PROJECT ALLOWED ME BUILD AND CONNECT A REST API AND A SEPARATE FRONT END. EACH API ENDPOINT IS TESTED. I LEARNED MOCKING DATA, MONKEYPATCHING FUNCTIONS AND USING A TEST DATABASE.

*<https://psts.xyz/>*

### Simple Lists - Mar 2021

*Python, Flask, HTML, Bootstrap,  
Nginx*

A LIST WEBSITE. USEFUL FOR KEEPING TRACK OF TASKS AND TODOS. THIS PROJECT GOT ME FAMILIAR WITH DATABASES, USER AUTHENTICATION, WORKING WITH FORMS AND DEPLOYING MY OWN SITE. DEPLOYED REMOTELY VIA SSH ON A LINUX UBUNTU VPS.

*<https://lsts.xyz/>*

## Work Experience

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### Northfast Ltd - Contractor and Industrial Mine Supply

*Sudbury, Ontario*

INSIDE SALES AND OFFICE ADMINISTRATION

*Jul 2007 – Dec 2020*

- Responsibilities included sales, quoting, customer service, maintaining contract pricing for our large customers, purchasing inventory and tech support for co-workers (hardware and software).
- Learned great communication skills in person, via phone and email.
- Can lead larger projects and direct co-workers to tasks.
- Created purchase order excel tool which saved 2+ hours weekly.
- Created quoting tools used every day by sales staff saving more time.
- Automated the import and creation of orders from our largest customer. Saves 30min-2hours daily.