

Kevin McMackin

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SUMMARY

As a mechanical engineering graduate with extensive programming experience, I bring a unique blend of technical skills and creativity to the table. I am a team player with excellent communication skills and a passion for innovation. With enthusiasm for learning and a willingness to take on new challenges, I am eager to contribute my skills to a dynamic and forward-thinking organization.

FUNCTIONAL SKILLS

Full stack development, data structures & algorithms, optimizing for various devices, understanding of application performance and speed optimization, knowledge of accessibility standards and best practices, strong problem-solving and analytical skills, ability to work with APIs and integrate third-party services into applications.

TECHNICAL SKILLS

JavaScript, React.js, Angular.js, Node.js, Express, HTML, CSS, jQuery, MongoDB, SQL, Python, GIT, npm.

PROJECT EXPERIENCE

Ecommerce Website

<https://github.com/kevinmcmackin/node-ecommerce-app>

- Developed a full-stack ecommerce website using Node, Express, JavaScript, NoSQL, MongoDB, and Mongoose.
- Created a user-friendly interface for account creation, product listing, browsing, and placing orders.
- Implemented Stripe's RESTful API to facilitate secure online transactions during checkout.

Twitter Clone

<https://github.com/kevinmcmackin/twitter-clone>

- Deployed a full-stack social network web application using Angular, Firebase, TypeScript, HTML, and CSS.
- Designed a user interface inspired by Twitter, integrating key features including posting, liking, and following.
- Built a back-end system using Firebase to manage user authentication and store user-related data.

Trivia Game

<https://github.com/kevinmcmackin/trivia-game>

- Launched a trivia game utilizing React, JavaScript, CSS, and HTML, adhering to a Figma template for design layout.
- Employed a JSON API to retrieve and display general knowledge multiple-choice trivia questions.

EDUCATION

University of New Brunswick, Fredericton, NB

May 2022

Bachelor of Science in Mechanical Engineering

Additional Certificate Courses:

Harvard University - CS50 – Introduction to Computer Science

July 2022

- Introduced to various programming languages including C, Python, SQL, JavaScript, CSS, and HTML.
- Gained knowledge of algorithms, data structures, abstraction, encapsulation, recursion, and security.

Udemy – Angular – The Complete Guide

November 2022

- Learned popular Angular concepts including navigation, components, state management, and directives.
- Built responsive web applications using Angular, TypeScript, REST APIs, HTML, and CSS.

Udemy – NodeJS - The Complete Guide

January 2023

- Covered multiple languages, frameworks and tools including Node.js, Express.js, Mongoose, and Deno.js.
- Learned to work with databases such as SQL and MongoDB and built REST, and GraphQL APIs.
- Gained experience with payment processing, user authentication, file uploading, and automated testing.

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LEADERSHIP/VOLUNTEER EXPERIENCE

Initia Sciences

January 2023 – Present

WordPress Developer

- Manage website content, ensuring up-to-date information and resolving issues with WordPress, HTML, and CSS.
- Develop and implement effective SEO strategies to increase website traffic and online presence.

Neville Jones Residence – UNB, Fredericton, NB

August 2018 – April 2019

House President

- Led a team of 10 committee members to coordinate student orientation activities, fundraisers, and house events.
- Oversaw the management of finances to ensure proper delegation of monies to charities and event partners.
- Collaborated with dormitory representatives to create a cohesive, safe, and inclusive community among residents.

Neville Jones Residence – UNB, Fredericton, NB

August 2017 – April 2018

First-Year Representative

- Conducted regular meetings with the dormitory staff to ensure the needs of first-year students were met.
- Coordinated with other dormitory representatives to create a cohesive and inclusive community among all residents.

EMPLOYMENT HISTORY

Richard J. Currie Center, Fredericton, NB

March 2023 – Present

Strength Centre Supervisor

- Maintain a safe and clean strength center environment, enforcing safety protocols, conducting equipment inspections, and implementing proper cleaning and sanitation procedures.
- Deliver exceptional customer service, addressing member inquiries, resolving issues, and maintaining a welcoming and inclusive environment for all members.

Sollio Agriculture, Moncton, NB

April – August 2019, 2021

Manufacturing Technician

- Balanced shipping and receiving schedules of up to 12 trailers per day to maximize throughput and minimize costs.
- Managed inventory of 140+ products, optimizing stock levels and streamlining production.
- Conducted thorough quality analysis on feed samples to ensure compliance with industry standards and regulations.

Cavendish Agri Services, Salisbury, NB

April 2018 – August 2018

Production Operator

- Maintained 60%+ of production-line equipment thus ensuring safety and reducing the frequency of machine failure.
- Collaborated with senior management to optimize mixing and batching schedules of fertilizer products.
- Practiced proper decontamination and handling of chemicals to ensure employee safety and avoid contamination.

Magic Mountain, Moncton, NB

June 2014 – September 2017

Team Captain/Park Attendant

- Led the process of onboarding, training, and mentoring new park employees at various stations throughout the park.
- Managed teams of 10+ employees to ensure the frictionless flow of operations throughout the day including monitoring food production, coordinating break schedules, and organizing efficient cleanups at the time of close.
- Provided prompt and effective resolution to customer inquiries and feedback on pricing, park policies, and overall quality of products and services.

ADDITIONAL

LANGUAGES: English (native), French (fluent), Spanish (proficient).

INTERESTS: Innovation, sustainability, design, reading, photography, health & fitness, music.