

Sukhbir Kaur Chung, B.Eng., M.Eng.

Frontend Web Developer

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SKILLS

HTML, CSS, SCSS, Bootstrap, JavaScript, React, Node.js, APIs, MongoDB, WordPress, SEO, Accessibility

WORK EXPERIENCE

Frontend Web Developer (MERN Stack) | [Paptido Inc.](#), Hamilton, ON

May 2023 - Present

- Developed [full-stack web applications](#) using React and [Node.js](#) to acquire and display information from third-party APIs, enabling users to create accounts and interact with the information through various features
- Experienced in developing static websites to effectively promote clients' business services, following best practices for accessibility and SEO. Skilled in utilizing CSS Flexbox and Grid for responsive design, ensuring optimal display across devices, and used testing tools like Chrome Lighthouse to enhance website performance
- Effectively used MongoDB as a database solution for seamless data management, demonstrating familiarity with non-relational database technologies
- Employed secure environment variables to fortify the software applications against potential vulnerabilities and ensure robust protection of sensitive information
- Deployed websites using hosting providers such as Namecheap, with expertise in making websites go live and managing domain and server settings
- Designed and developed a [register/login landing page](#) using semantic HTML, CSS, and JavaScript, integrating the Axios library for seamless HTTP communication with backend applications, and implemented custom validation to ensure email and password compliance with specified requirements
- Developed a [Node.js application](#) to securely store hashed passwords in a MongoDB database while enabling single-factor authentication and authorization, and performing full CRUD operations
- Skilled in incorporating advanced features such as session management with express-session and cookie-based authentication for seamless browsing experiences
- Knowledgeable in implementing email verification via 6-digit confirmation code to validate user authenticity
- Integrated a [Node.js application](#) into webpages to handle incoming data from contact forms and send emails
- Executed error handling mechanisms to gracefully manage exceptions and ensure smooth operation under varying conditions, enhancing system reliability and user satisfaction

EDUCATION

Computer Engineering (M.Eng.) | 3.30/4.00 GPA

May 2018 - Aug 2019

University of Waterloo, Waterloo, ON

Network Systems Administration (Networking Diploma)

Jan 2014 - Oct 2014

Manitoba Institute of Trades and Technology, Winnipeg, MB

Computer Science (B.Eng.)

Aug 2009 - May 2013

Guru Nanak Dev University, Amritsar, PB

PROJECTS

- [My Compilist](#) | Developed using MERN Stack (MongoDB, Express, React, Node.js) | [GitHub Code](#)
  - Built a React web app that utilized third-party APIs to fetch and display data on movies, shows, and books, while implementing features to showcase the most popular items on the homepage
  - Utilized React Routers for smooth navigation from homepage to login/signup and personalized lists, enhancing user experience and accessibility
  - Leveraged React states to empower users to seamlessly add and remove favorite movies, shows, and books from personalized lists, ensuring dynamic and responsive interaction
  - Developed a [Node.js/Express](#) backend application to integrate with this app, enabling CRUD operations for managing user-specific favorite lists, including creation, updating, and deletion
- [Register Login Landing Page](#) | Developed using HTML, CSS, JavaScript, Axios Library | [GitHub Code](#)
  - Crafted a user-friendly and responsive register-login page that facilitates user authentication and authorization by sending their information to a backend Node.js/Express application ([GitHub Code](#))
  - Ensured smooth user journeys through streamlined logins, personalized homepage redirects post-authentication, and effective error management for login/signup issues
  - Implemented custom validation for email format, enforced no spaces in usernames and passwords, and ensured passwords met specific criteria, including length, uppercase, lowercase, and special characters
  - Performed CRUD operations, allowing users to register, log in, update passwords, and delete accounts, with a 6-digit confirmation code sent to the user's email to verify validity and prevent fake entries
  - Passwords are hashed using the Passport and crypto npm packages before being stored in the MongoDB database
- [Paptido Inc](#) | Developed using HTML, SASS/SCSS, JavaScript, and Axios Library
  - Developed a static website, effectively promoting business with key information and services
  - Implemented responsive web design techniques using CSS Flexbox and grid to ensure optimal display and functionality across various devices, contributing to an enhanced user experience
  - Managed inquiries from the contact form through a backend application, [Nodemailer](#), to receive user queries and efficiently forward them to their respective destination email addresses