

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

## Full Stack Web Developer

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### SKILLS

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

### WORK EXPERIENCE

**Full Stack Web Developer** | [Paptido Inc.](#), Hamilton, ON May 2023 - Present

- Developed [full stack web applications](#) using JavaScript and Node.js, leveraging promises to fetch backend data and JavaScript classes to render content dynamically, simplifying future updates
- Designed and developed a [register/login landing page](#) using semantic HTML, CSS, and JavaScript 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
- Employed secure environment variables to fortify the software applications against potential vulnerabilities and ensure robust protection of sensitive information
- Executed error handling mechanisms to gracefully manage exceptions and ensure smooth operation under varying conditions, enhancing system reliability and user satisfaction
- Skilled in utilizing CSS Flexbox and Grid for responsive design, ensuring optimal display across devices, and followed best practices for accessibility and SEO
- Deployed websites using hosting providers such as Namecheap, with expertise in making websites go live and managing domain and server settings
- 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

### 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

- [Star Beauty Artistry](#) | **Developed using JavaScript, Node.js, MongoDB, HTML, CSS, Promises, and APIs**
  - Developed a full stack application for a makeup artist, dynamically fetching services from the backend using promises and rendering them with JavaScript classes, simplifying future updates
  - Implemented an appointment booking system using JavaScript with real-time availability updates and intelligent time-slot validation; users are alerted if the selected time-slot cannot accommodate the required service duration, ensuring accurate scheduling
  - Enabled dynamic cart functionality that updates the total price in real time when items are added or removed, ensuring users always have an accurate view of the total amount to be paid
  - Optimized cart functionality using **localStorage** for seamless synchronization across pages, ensuring users see accurate updates when navigating between checkout and other pages
  - Designed a gallery and reviews section to showcase the makeup artist's work and integrate Google Reviews, enhancing client trust and engagement
  - Utilized client-side and server-side validations to enforce accurate data entry, such as phone numbers, preventing invalid bookings
  - Developed a secure business owner dashboard with authentication and authorization, providing tools to manage and confirm appointments, enhancing operational efficiency
  - Automated appointment notifications using a Node.js application to send confirmation or cancellation messages, ensuring timely communication with clients
  - Optimized page load speeds by implementing JavaScript modules to minimize redundant HTTP requests, enhancing overall performance and user satisfaction
- [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](#)
  - 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
- [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
- [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