Zayn Chowdhury

Year 4, Computer Science Student

✉ **zaynchow@student.ubc.ca** | 📱 **(236)-591-7831** | in **zaynchowdhury** | ⌨ **zaynchow** | 🌐 **zaynchowdhury.com**

Technical Skills

Programming	Python, Java, C, C++, Racket, R, OOP, Typescript, Swing
Web	HTML5, CSS3, JavaScript, ReactJS, NextJS, NodeJS, ExpressJS, Redux, OAuth, Angular, Vue.js, Bootstrap, Tailwind CSS
APIs & Data QL	GraphQL, RESTful APIs, SQL
Tools & Platforms	WordPress, Sanity, Vercel, GitHub, AWS, Babel, Webpack, Git, Docker
Testing	JUnit, Jest, Selenium, GDB

Work Experience

UI Developer   **January 2023 - Present**

Jostle Corporation   Vancouver, BC

- Spearheaded the development of the revamped Search 2.0 UI using ReactJS, GWT, Redux, GraphQL, and TypeScript, delivering advanced 8+ advanced search features including complex filtering, pagination, and dynamic modal views.
- Collaborated cross-functionally to implement features beyond basic search, integrating artifact generation to display and open content matches within a custom-built attachment viewer.
- Promoted to sole UI developer, entrusted with handling critical codebases and developing reusable, scalable components.
- Modernized the front-end by refactoring legacy GWT components into maintainable React components, ensuring high performance and adherence to company standards.
- Played a key role in design reviews, providing insights to enhance UX and usability.
- Reviewed 100+ merge requests, providing actionable feedback to improve code quality and maintainability, honing my ability to read and understand unfamiliar code efficiently.
- Optimized the UI using built-in and custom React hooks, reducing re-renders by 30% and improving page load times by 22%, while leveraging Redux to streamline state management leading to a smoother user experience.
- Diagnosed and resolved 150+ production bugs, improving the robustness and stability of the flagship product.

Full Stack Designer & Developer   **August 2022 – April 2023**

Mineral Deposit Research Unit, UBC   Vancouver, BC

- Worked in UX research and wireframed the new version of the MDRU official website.
- Developed custom theme and plugins for redesigned website's UI and backend functionality using PHP, jQuery, HTML5 and CSS3.

Co-Founder and Web Developer   **September 2020 – December 2023**
Deep Blue Creatives   Dhaka, Bangladesh

- Led a team of four designers and developers to create efficient, visually appealing, user-centric websites, reducing project timelines by 20%.
- Developed websites for 10+ niches and industries using PHP, WordPress, NextJS, ExpressJS and third-party libraries for additional project functionality requirements
- Coached junior developers on design conventions and website analytics
- Completed projects include: https://munshicorp.com, https://habsecurities.com , https://issmt.net, https://deepbluecreatives.com, https://journeyadviser.com.bd

Featured Personal Projects

Sanity E-commerce Web App (Link)   **May 2022**
Next.js, Sanity.io, Vercel, GitHub

- Designed and developed a user-centered full-stack e-commerce app using Next.js for both frontend and backend, with Sanity for seamless content management.
- Leveraged Server-Side Rendering (SSR) and Incremental Static Regeneration (ISR) to reduce loading times, ensure scalability, and enable automatic page updates.

Spotify Analytics App (Link)   **March 2022**
Node.js, Express.js, React.js, Spotify API, Heroku, GitHub

- Built a full-stack web app that allows users to visualize their personalized Spotify data, using Node.js (Express.js) and React to manage data dynamic retrieval and display.
- Designed a modern, responsive UI with React hooks and styled components.
- Implemented the Spotify OAuth flow using RESTful APIs, incorporating ES6 async-await functions to manage user authentication and authorization securely.
- Developed an Express.js server to handle HTTP requests and authentication, ensuring smooth interaction between the client-side and backend services.
- Utilized local storage to handle authentication tokens, improving app efficiency by reducing the need for frequent reauthorization.

Commerce Cart (Link)   **April 2021**
Java, Swing, GitHub

- Created a desktop e-commerce app with an admin panel, incorporating object-oriented principles and the singleton pattern for persistent session management.

Education

University of British Columbia   **September 2020 - May 2025**

Bachelor of Science – Computer Science (82% CGPA)
- **Relevant Courses:** Software Construction, Algorithms and Data Structures, Introduction to Software Engineering, Intermediate Algorithm Design and Analysis, Introduction to AI