

Zayn Chowdhury

Year 4, Computer Science Student

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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

Jostle Corporation

January 2023 - Present

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

Mineral Deposit Research Unit, UBC

August 2022 – April 2023

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.

- 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](#))

Next.js, Sanity.io, Vercel, GitHub

May 2022

- 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](#))

Node.js, Express.js, React.js, Spotify API, Heroku, GitHub

March 2022

- 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](#))

Java, Swing, GitHub

April 2021

- 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