Jay Bhagat

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Skills

Languages: TypeScript/JavaScript, Kotlin, C#, C++, Java   **Other:** HTML, CSS, Docker, Vim
Frontend: React, Redux, Next.js, jQuery   **Backend:** Node.js, Nest.js, GraphQL, MongoDB

Education

University of Waterloo: *Bachelor in Computer Science (BCS), Honours, Co-op — Expected Apr 2024*
Awards: Term Distinction *(90.2% Average)*, NSERC USRA, President's Scholarship of Distinction

Experience

Newfront   Software Engineer, Intern
May 2022 - Aug 2022 | San Francisco, California

— Independently built an end-to-end feature with REACT, NEST.JS, TYPEORM database entities allow users to view a timeline of their coverage.

— Exceeded expectations by completing the first milestone of the DATA MIGRATION in addition to the project.

— Built a new tRPC router for the BFF architecture using SERVER-LESS FUNCTIONS for mutations and queries to typesafe API calls, decreasing the number of API calls by ∼250%.

— Added new DYNAMIC React components to Newfront's in-house DSL to handle 50+ different data models.

— Drove the execution of the LOC Lineage project by spearheading meetings with engineers and CROSS FUNCTIONAL PARTNERS (PM, Design, Data Scientist), leading it to a SUCCESSFUL LAUNCH (>80% DAILY USAGE).

Questrade   Full-stack Software Engineer, Intern
Sept 2021 - Dec 2021 | Toronto, Ontario

— Utilized REDUX for app-wide state management and storing back-end responses, improving UX and the efficiency of the application by half.

— Created an entire REACT NATIVE and .NET CORE (CQRS) feature to allow users to manage and delete accounts.

— Built reusable ANIMATED React Native components for a mobile application with 500,000+ users, to improve code modularity.

— Identified opportunities to IMPROVE PRODUCT FEATURES by pitching user flow changes to other engineers and the design team.

Blackberry   Software Developer, Intern
Jan 2021 - Apr 2021 | Waterloo, Ontario

— Developed Python scripts to AUTOMATE TASKS and transfer information to analysts, maximizing scalability.

— Integrated custom-built Gradle/Maven plugins to BlackBerry CI/CD pipeline that DOUBLED EFFICIENCY by transferring build information to analysts.

— Implemented async functions to make API calls, decreasing run-time by a factor of 2.03.

Cynorix   Software Engineer, Intern
May 2020 - Aug 2020 | Waterloo, Ontario

— Independently created a PASSWORD STORAGE SERVER and implemented API routes using Node.js with new user flows for a Windows client (C#).

— Built a Google Drive extension to allow ENCRYPTED FILE SHARING, complete with back-end using Node.js, Firebase, and Google APIs.

Projects

HeadsUpGuys: Web tool (Next.js/Node.js) for a nonprofit to create mental-health modules for clients. Check it out!
Global Catch (HackThe6ix): Unity app (AR) for users to play catch globally in separate rooms. Challenge Winner.