

# Arshdeep Singh

Toronto, ON  
☎ (647) 293-8485  
✉ arshwaraich12@gmail.com  
📧 arshwaraich.com

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## Education

Jan 2018 – **Honours Bachelor of Technology (BSD) in Software Development**, Seneca  
Aug 2021 College, GPA: 4.0, Toronto, ON.

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## Work Experience

- Aug 2023 – **Senior Software Developer**, Royal Bank of Canada, Toronto, ON.
- Present
- Implemented and migrated HSBC Canada acquisition for RBC, integrating clients into Direct Investing and InvestEase, while delivering on schedule with reusable development, agile feature toggles, new React patterns, and enhanced cross-functional teamwork.
  - Working on enabling foreign market trading (Hong Kong, Great Britain and Europe) and updating options trading UX for the Direct Investing platform.
- Sep 2021 – **Software Developer**, Royal Bank of Canada, Toronto, ON.
- Aug 2023
- Successfully delivered the new First Home Savings Account (FHSA), leading front-end changes for RBC InvestEase and achieving a market-first release within a tight 4-month timeline, resulting in nearly \$100 million in investments during its first quarter.
  - Developed bulk approvals for new accounts, reducing manual approval times by 40%.
  - Streamlined the back-end infrastructure by migrating to a cross-platform microservice architecture, reducing development time and costs while enhancing software availability.
  - Implemented significant upgrades in fund transfer processes, delivering substantial value to the system while resolving bugs and making overall stack improvements.
  - Operated in Agile for timely product releases, achieving sprint goals punctually.
- Jan 2021 – **Software Developer Co-Op**, Royal Bank of Canada, Toronto, ON.
- Apr 2021
- Created data migration tools using Java Spring batch to assist in code-base decommissioning, automating QA work significantly.
  - Developed bug fixes and general API improvements, working in an agile environment.
  - Active in student programs, took part in tournaments and other events. Invited to meet the group head of Technology & Operations in RBC for going above and beyond.
- May 2020 – **Software Developer Co-Op**, Portable Intelligence Inc., Markham, ON.
- Aug 2020
- Created a UDP protocol based POC of an integration layer to Artemis, a computer vision system. Successfully demonstrating its value resulted in a whole new business avenue and revenue stream for the company.
  - Automated software updates, allowing clients to update our software without on-site visits from our employees, saving hundreds of man-hours.
  - Operated in Agile for timely product releases using Azure, Windows Server 2012 and IIS.
- Aug 2019 – **Software Developer**, Nexus Health Inc., Toronto, ON.
- May 2021
- Implemented a computer vision system to automatically pull medication information from prescription bottles, reducing data entry times by 95%.
  - Automated CI/CD pipelines for all platforms, reducing QA work by 50% on each build. (React Web App, React Native iOS, React Native Android and AWS serverless .NET core)
  - Created first market ready minimum viable product, leading a team of three.
  - Used React Native and AWS to create a full stack system from the ground up.

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## Skills

Languages	C#, JavaScript/TypeScript, HTML/CSS, Java, C/C++, Python
Frameworks	.NET (Core and Framework), ReactJS, React Native, NodeJS, Angular (TypeScript)
Databases	MongoDB, DynamoDB, MySQL, PostgreSQL, MS SQL Server
Other	Object-oriented design, Data structures and algorithms, Computer Vision, Shell scripting, RESTful APIs, Git, GitHub CI/CD, AWS Serverless

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## Projects

**Capstone Project**, *Angular, NodeJS, MongoDB, Git/GitHub*.

A Customer and Order management system for a green cleaning and stitching business  
[https://github.com/arshwaraich/Store\\_Management\\_App](https://github.com/arshwaraich/Store_Management_App)

**NexHUB**, *React Native, AWS Amplify, Figma, Git/GitHub*.

A Cross platform (iOS/Android) application for managing a user's health data.

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## Awards

**One RBC Team Award**, *August 2023*.

Awarded as part of the Direct Investing & InvestEase FHSA delivery team for bringing 'One RBC' to life with outstanding collaborative efforts.  
Royal Bank of Canada

**President's Honour List**, *Fall 2018 - Summer 2021*.

The President's Honour List recognizes consistently outstanding achievement by students.  
Seneca College

**Certificate of Recognition**, *April 2020*.

In recognition of contributions of faculty, students and others to innovative research and entrepreneurial activities at Seneca presented at the Annual Applied Research, Innovation & Entrepreneurship Showcase.  
Seneca Applied Research

**RBC AmpHacks Top 5**, *October 2020*.

Made a video-sharing app for seniors called SocialDisco, for the challenge statement "create a solution for making Canadian lives better". Selected for final round and placed top 5.  
RBC AmpHacks