

# Arshdeep Singh

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## Summary

Innovative Senior Software Developer with 3+ years architecting full-stack solutions in fintech. Demonstrated excellence in delivering high-impact projects like HSBC acquisition (\$1B+ AUM) and Canada's first FHSA platform. Technical leader experienced in React, .NET, AWS, and LLM integrations, with a focus on scalable, accessible solutions.

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## Work Experience

- Aug 2023 – **Senior Software Developer**, *Royal Bank of Canada*, Toronto, ON.  
Present
- Contributed to the largest acquisition in Canadian banking history, integrating HSBC clients into the RBC Direct Investing platforms, adding \$1B+ to AUM while ensuring on-time delivery with reusable development, agile feature toggles, and modern React patterns.
  - Redesigned the Direct Investing homepage using a scalable design framework, incorporating responsive and accessible elements to improve user engagement.
  - Assisted in enabling foreign market trading, expanding global reach.
  - Currently working on launching free ETF trading to boost user growth for one of Canada's largest trading platforms.
- Sep 2021 – **Software Developer**, *Royal Bank of Canada*, Toronto, ON.  
Aug 2023
- Led front-end changes for Canada's first-to-market First Home Savings Account (FHSA) on RBC InvestEase, delivering within 4 months and enabling \$100M in Q1 investments
  - Developed bulk account approvals, reducing manual processing by 40%.
- Jan 2021 – **Software Developer Co-Op**, *Royal Bank of Canada*, Toronto, ON.  
Apr 2021
- Engineered Java Spring batch data migration tools for legacy system decommissioning, significantly reducing QA workload.
  - Selected to meet RBC's Group Head of Technology & Operations for exceptional performance.
- May 2020 – **Software Developer Co-Op**, *Portable Intelligence Inc.*, Markham, ON.  
Aug 2020
- Developed proof-of-concept UDP protocol integration layer for Artemis computer vision system, creating new revenue stream for company.
  - Implemented automated software update system, eliminating need for on-site client visits and saving hundreds of man-hours annually.
- Aug 2019 – **Software Developer**, *Nexus Health Inc.*, Toronto, ON.  
May 2021
- Led 3-person team to develop MVP for a healthcare platform using React Native and AWS, including a computer vision system that reduced prescription data entry time by 80%.
  - Established CI/CD pipelines across React (Web, iOS/Android) and AWS serverless backend, cutting QA effort by 50% per build.

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## Education

- Jan 2018 – **Honours Bachelor of Technology – Software Development (BSD)**, *Seneca College*,  
Aug 2021 Toronto, ON.
- GPA: 4.0
  - President's Honour List: Fall 2018 - Summer 2021

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## Skills

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

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## Projects

**Flag fusion**, *NextJS, TypeScript, Amazon AWS, Git/GitHub, Figma.*

A responsive web app to color any flag in the colors of another flag, built to test Meta's local llm supported development.

<https://github.com/arshwaraich/FlagFusion>

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

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

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## Awards

**One RBC Team Award**, *2023 Q3, 2024 Q1, 2024 Q3.*

Recognized for work in the HSBC acquisition, FHSA delivery and the Direct Investing Home redesign project, improving cross-functional collaboration and achieving key milestones on time.  
Royal Bank of Canada

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

In recognition of contributions 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.*

For creating a video-sharing app for seniors called SocialDisco.  
RBC AmpHacks