Arshdeep Singh

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Education

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

Work Experience

Aug 2023 –
Present
Senior Software Developer, *Royal Bank of Canada*, Toronto, ON.
- Working on the technical implementation and migration efforts for the acquisition of HSBC Canada by the Royal Bank of Canada. Collaborating with cross-functional teams to seamlessly integrate HSBC clients into RBC's Direct Investing and InvestEase platforms.

Sep 2021 –
Aug 2023
Software Developer, *Royal Bank of Canada*, Toronto, ON.
- 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 –
Apr 2021
Software Developer Co-Op, *Royal Bank of Canada*, Toronto, ON.
- 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 –
Aug 2020
Software Developer Co-Op, *Portable Intelligence Inc.*, Markham, ON.
- 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 –
May 2021
Software Developer, *Nexus Health Inc.*, Toronto, ON.
- 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.

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

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

NexHUB, *React Native, AWS Amplify, Figma, Git/GitHub*.
A Cross platform (iOS/Android) application for managing a user's health data.

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