

Arshdeep Singh

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Education

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

Work Experience

- Sep 2021 – **Software Developer**, Royal Bank of Canada, Toronto, ON.
- Present
- Developed bulk approvals for new accounts, reducing manual approval times by 40%. Currently, introducing further automation to make manual approvals redundant.
 - Migrated back-end functionality towards a cross-platform microservice architecture. Reducing development times, improving software availability and reducing costs.
 - Introduced major upgrades in fund transfers. Adding significant value to the system, alongside bug fixes and general improvements in the full-stack.
 - Operated in Agile for timely product releases, achieving sprint goals punctually. Selected for a special team to implement time-sensitive functionality.
- 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.
- Aug 2019 – **Junior Software Developer**, Mixto Card Conceptions Inc., Mississauga, ON.
- Jan 2020
- Developed an Angular app facilitating a multirole, highly customizable insurance portal.
 - Consulted for NoSQL architecture based on industry standard design patterns.
- Mar 2019 – **Research Assistant**, Seneca College, Toronto, ON.
- Jul 2019
- Conducted data and process analytics research for Ample Organics.
 - Visited on-site facilities to create process flows for new and anticipated use cases.

Skills

Languages	C#, JavaScript/TypeScript, HTML/CSS, Java, C/C++, Python
Frameworks	Android (Java), Angular (TypeScript), .NET (Core and Framework), OpenCV, ReactJS, React Native, NodeJS, Nginx
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.
<https://nexid.nexushealth.ca>

Awards

President's Honour List, *Fall 2018 - August 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