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

Jan 2021 – Apr 2021 — **Software Developer Co-Op**, *Royal Bank of Canada*, Toronto, ON.
- Assisted in decommissioning older code-base by creating data migration tools using Java Spring batch, automating QA work significantly.
- Developed bug fixes and general API improvements in the middle-ware, working in a micro-services environment. Achieving sprint goals punctually.
- 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.
- Operated in Agile for timely product releases using Jenkins, Jira and Helios.

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 it's 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 – Present — **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 dotnet)
- Created first market ready minimum viable product, leading a team of three.
- Used react native and AWS to create a full stack system on track to be patented.

Aug 2019 – Jan 2020 — **Junior Software Developer**, *Mixto Card Conceptions Inc.*, Mississauga, ON.
- Developed an Angular app facilitating a multi role, highly customizable insurance portal.
- Consulted for NoSQL architecture based on industry standard design patterns.

Mar 2019 – Jul 2019 — **Research Assistant**, *Seneca College*, Toronto, ON.
- 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/C++, C#, Java, Python, JavaScript/TypeScript, HTML/CSS

Frameworks — Android (Java), Angular (TypeScript), .NET (Core and Standard), 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://capstone.arshwaraich.com

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 - Fall 2020*.
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