

# Shivam Taneja

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## Education

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### B.A.Sc. of Computer Science Co-op - McMaster University

Sept 2017 - Apr 2022

- Enrolled in B.A.Sc. in Computer Science, Class of 2022.
- Some Undergraduate Coursework: Compilers, Software requirement, Computer Architecture, Algorithms and Complexity, Computational Theory, Discrete Mathematics, functional programming.

## Skills

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**Languages:** Python, C#. C++, Scala, Java, SQL, C, Bash Scripting, LaTeX, Django, Git, ASP.NET, HTML, CSS, JavaScript, MySQL, PHP, Ruby.

**Software:** ELK stack (Elasticsearch, Kibana, Logstash), RedHat OpenShift Container Platform, Visual Studio Professional (ASP.NET), Podman, postman, Jenkins, IBM Urban Code Deploy (UCD), Microsoft SQL Server, Linux server, DB2, Kubernetes, DaVinci Resolve (w/ Fusion).

## Employment

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### Developer (Agile Infrastructure) - Royal Bank of Canada

Jan 2020 – Aug 2020

- Automated the process of indexing 2 million records per day while performing data deduplication.
- Configured and onboarded applications to OpenShift Container Platform (OCP) while also integrating Helios, Vault, and other technologies.
- Migrated GitHub and PCF scripts to OCP using Jenkins (w/ IBM's UCD) CI/CD pipeline.
- Automated data ingestion and indexing of more than 2 million records per day from OCP container to ELK stack running on PCF.
- Built script for alerting team of 5 developers to fix the inconsistencies in ELK stack and MSSQL, essentially cutting down incident reports.

### Technical System Analyst - Royal Bank of Canada

Sept 2019 – Dec 2019

- Developed new features such as emailing system, DB2, and Oracle analytic, removing and adding backdoors for admin access for backend applications that access a SQL server database.
- Teamed with 3 people to assist in database modeling to improve performance, enhance security, and resolve any bugs.
- Created Dynamic ASP.NET scripts and pages to accommodate several databases effectively reducing the size of the application by more than 50 percent.

## Technical Experience - Projects

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- **Magneto (React, Python, Django) (2019):** Reward/Loyalty points tracking app that tracks your loyalty points, displays nearby stores, how to apply and redeem loyalty points.
- **SafeParkingZone-Android app (2019).** Using Java (Android Studio), designed a navigation app (google maps API) for the city of Chicago to show the nearest/safest (heat map) parking spots from the user's location.
- **TruPhase @BostonHack (2018).** Using BOSE's API, Python as back-end language, and Arduino's microphone to record the device's output for any discrepancy by comparing the frequency with the predetermined database.

## Additional experience and Awards

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- **Top 5 in Innovation Challenge (Falls 2019):** RBC in-house hackathon-styled challenge lasting 4 weeks to prepare an idea with business, technical, and impact on livelihood. ([Reference available but no source code](#))
- **Challenge Winner (2018):** Won BostonHack's OneDB challenge that uses OneDB cloud service to perform multiple algorithms.
- Red Hats Certificate for
  - OpenShift Development I: Containerizing Applications (**DO288**)
  - Introduction to OpenShift Applications (**DO101**)
  - Red Hat OpenShift Development I: Containerizing Applications (**DO288**)