Shivam Taneja

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Education

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 (GPA 3.7 - 2020).
- Some Undergraduate Coursework: Software requirement, Computer Architecture, Algorithms and Complexity, Computational Theory, Discrete Mathematics.

Skills

Languages: Python, C#. C++, Scala, Java, SQL, C, Bash Scripting, LaTex, Django, Git, ASP.NET, HTML, CSS, JS, DSL Query.

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

Employment

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, with AI analytics to mitigate incidents.
- Configured OpenShift container platform (OCP) to integrate Helios, Vault, and other technologies.
- Migrated GitHub and PCF scripts to OCP using Jenkins (w/ IBM's UCD) CI/CD pipeline.
- Automated data ingestion of 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.
- Build several tools and web applications to assist with automation efforts.

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 application 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.

Technical Experience - Projects

- **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 in respect to user's location.
- **TruPhase @BostonHack** (2018). Using BOSE's API, Python as back-end language, and Arduino's microphone to record device's output for any discrepancy by comparing the frequency with predetermined database.

Additional experience and Awards

- **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)**