RYAN SNEYD

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WORK EXPERIENCE

Full Stack Developer – Room Renting, Oakville, Ontario   Aug 2020 - Present

- Developed continuous integration scripts using GitHub Actions to automate database schema migrations, execute tests with Docker Compose, deploy to Google Cloud Run and provision VM's for MySQL and Redis.
- Developed two progressive web apps using Flutter that supports document building, file sharing, real time messaging and push notifications. Both apps use GraphQLProvider to manage state.
- Designed a GraphQL API gateway in Python using strawberry and Fast API that generates authorization JWT's, resolves queries/mutations asynchronously and manages service discovery.
- Modeled one-to-one, one-to-many and many-to-many entity relationships using asynchronous SQLAlchemy with automated connection pool recycling, database caching and configured automated database upgrades with Alembic.
- Designed and developed a serverless cloud scheduler that utilizes the Kubernetes client library to execute long running tasks as Kubernetes Jobs in a cluster.
- Designed and developed eight Python/Fast API microservices deployed on Google Cloud Run that connect to a Redis and MySQL VM's through a serverless VPC connector.
- Created test plans and implemented test automation using tools like pytest, postman, flutter test package, junit, Flask test client, FastAPI test client and Kubernetes client library.

QE Lead - Royal Bank of Canada, Toronto, Ontario   Jan 2022 – Aug 2022

- Responsible for signing off the release of backend moving from QAT/UAT environment to production and providing updates to director level management on the status of the release.
- Managed team members to get test case status reports for each project going into the release and tracking ongoing environment issues.
- Lead a team of three QE Analysts by delivering monthly project demos, organizing sync up meetings with the team and providing support where ever necessary to achieve the project timelines.

QE Analyst - Royal Bank of Canada, Toronto, Ontario   July 2020 – Jan 2022

- Developed automation scripts for both scripted and declarative Jenkins pipeline that increased automation performance by 33% and reduced configuration complexity by 83%.
- Created Groovy scripts to automate multi factor authentication flow in RBC login. This solution resulted in unblocking UI automation, backend development and ~95% of backend test cases.
- Programmed service automation framework, test reporting tool and csv to html table converter that are used internationally by RBC's onshore and offshore teams.

EDUCATION

Honours Bachelor of Computer Science (Mobile Computing)   Sept 2015 - Dec 2019
Sheridan College, Oakville, Ontario