

Shalin Patel

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EXPERIENCE

SQUAREPOINT CAPITAL | Incoming Software Engineering Intern Jan 2022 - Apr 2022 | Montreal, QC

PAGERDUTY | Software Engineering Intern May 2021 - Aug 2021 | Toronto, ON

- Developed significant feature on flagship Mobile application using **Java** and **Kotlin** increasing 7-day app retention rate by **34%**.
- Implemented and designed architecture for endpoint aggregators written in **Scala** achieving a **72%** increase in efficiency and a **46%** decrease in code.
- Formed dashboards in Sisense and tracked metrics in various features to obtain data directly impacting **6** projects.

PRONTI AI | Software Engineering Intern January 2021 - April 2021 | Kitchener, ON

- Led development of **Android** application using **Java** following **MVP architecture**, active monthly users peaked at **5585**.
- Implemented **regression testing** for the above application using Java, JUnit, Mockito, and Espresso allowing for the discovery of **39** bugs and inefficiencies.
- Modified microservices using **Flask** and **PostgreSQL** improving average endpoint time by **88%**.

DOPPL INC | Software Development Intern May 2020 - August 2020 | Kingston, ON

- Implemented a **route optimization algorithm in C++** similar to the Travelling Salesman Problem, achieving **$O(n\log(n))$ runtime** for the average client use case.
- Created a full-stack proof-of-concept using **React Native**, **Apollo GraphQL**, and **Golang** that successfully led to full development.
- Contributed to client front-end dashboard using **React**, **Mapbox** and tested using **Jest**.
- Developed critical in-production admin dashboard using **React**, **Node**, **Express**, and **MongoDB**.

ONTARIO MGCS | Infrastructure Technologies Services Co-op May 2019 - August 2019 | Toronto, ON

- Worked with IBM's Privileged Identity Manager to handle access management for the secure data servers at the Data Center Operations sector in MGCS.
- Optimized SQL queries in SSMS sent through PowerBI reports improving time taken by **54%**.

PROJECTS

MOODIFY | Hacklytics 2021

Python, text2emotion, Spotify API, Twitter API

- A python bot which tweets a generated spotify playlist based on the emotions captured from a tagged tweet using text2emotion.
- **Won Best Machine Learning Hack at Hacklytics 2021.**

EDUCATION

UNIVERSITY OF WATERLOO

Waterloo, Ontario, Canada

Bachelors of Computer Science
2018 - 2023

SKILLS

LANGUAGES Python • C • C++ • Scala • Golang • Java • Kotlin • Javascript • Bash • HTML5 • CSS3 • SQL

TECHNOLOGIES Git • AWS (S3, Lambda) • React • Docker • PostgreSQL • JUnit • GraphQL • Mockito • Espresso • Numpy • Node • Flask • FastAPI • Linux • MongoDB • Sisense