

# Jashan Sudan

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## Work Experience



### Rubrik - Software Engineer

June 2018 - Present

- Redesigned and led a team of 3 to rewrite our cloud product's metadata query service, improving query performance by 10x
- Managed to streamline and improve the process for syncing data from an on premise cluster to the cloud, reducing database writes and improving performance by 80~%
- Designed a service to entirely autogenerate API calls made from the cloud to on premise clusters, saving 1 engineering day worth of effort for each API autogenerated



### Shopify - Software Developer Intern

May 2017 - August 2017

- Assisted in transitioning search back-end to Elasticsearch, thereby reducing search runtime by up to 75% and enabling search analytics
- Architected and implemented the automation of a manual payout process, saving 30+ hours and \$40 000+ a month



### Microsoft - Software Engineering Intern

January 2017 - April 2017

- Worked alongside the Information and Content Experience team to build a News App for Xbox
- Implemented telemetry and a data visualization dashboard to view key performance indicators, allowing iteration on user usage
- Built features requested by users and fixed critical bugs, helping achieve 99.42% build session stability



### IBM - DB2 Software Engineering Intern

May 2016 - December 2016

- Debugged compilation (C/C++/Java/Perl), run-time, and hardware issues encountered in DB2 builds and processes resulting in improved build stability
- Lead daily scrums following agile software development principles
- Wrote and refactored scripts to automate DB2 build processes



### Queen's University - Teaching Assistant

September 2017 - December 2017

- Teaching students the fundamentals of circuit development and electronics
- Leading lab sessions to provide a hands on approach to understanding computer architecture

## Education



### Queen's University - Bachelor of Computing

#### Specialization: Computer Science

September 2013 - April 2018

## Projects



### SmartKart - Java | React | Node.js | Express.js | AWS | CockroachDB

- Robotic shopping cart that follows you around, scans barcodes with an Android app and includes a web management service
- Implemented a RESTful API, enabling cart location tracking, item scanning, and cart item management
- Won 1st place overall at NwHacks 2017, along with best IoT App and 3rd best React App