

FADY IBRAHIM

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PROFESSIONAL SUMMARY

Full-Stack Engineer with 5+ years of experience building scalable applications and distributed systems. Certified in JavaScript, React.js, Node.js, and SQL. Optimized SQL queries (75% efficiency gain), and developed SQL-based reporting solutions enabling \$100M+ in subscription service analytics. Currently pursuing career opportunities to deepen cloud expertise, focusing on automation, reliability, and user experience, with the aim of contributing to cloud-native, scalable systems in a Full-Stack or Cloud Engineering role.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, Scala, SQL
- **Frameworks:** React.js, Jest, Node.js
- **CICD/Tools:** Kubernetes, Docker, DataDog, Kafka
- **Databases:** MySQL, Sybase, MongoDB

PROFESSIONAL EXPERIENCE

Career Break: JUNE 2024 – APRIL 2025

- Took a planned career break to attend to personal matters. During this time I've earned an SQL (Advanced) and JavaScript (Intermediate) certifications from HackerRank; completed 100+ LeetCode challenges to refine data structures, SQL and algorithms skills.

APPDIRECT, Montreal, Canada: FEBRUARY 2021 – MAY 2024

Full-Stack Engineer

- **Software Development:** Built React.js/Redux-based search feature, enabling users to make selections 70% faster than with the previous dropdown approach. Achieved 100% Jest test coverage for critical components.
- **Business Analytics Reporting:** Developed SQL-based 'Bookings Report' for \$100M+ subscription analytics (MRR/GMV metrics).
- **Data Visualization & Monitoring:** Integrated Datadog API for real-time visualization of 10K+ user interaction metrics.
- **DevOps Integration:** Implemented Kubernetes and Docker best practices to improve system reliability, contributing to the team's goal of reaching 99.9% uptime (Three Nines reliability).
- **Database Configuration:** Updated the database connection to use an AWS Aurora-compatible driver for improved compatibility and performance.

ROYAL BANK OF CANADA, Toronto, Canada: APRIL 2018 – JULY 2019

Big Data Engineer

- **Security and Authentication:** Configured Kerberos for LDAP integration on Cassandra cluster; enabled secure single sign-on.
- **Data Transformation and Analysis:** Processed 100GB+ Avro files into structured datasets using Palantir Foundry.
- **Data Management Automation:** Co-developed UNIX scripts to automate HDFS file expiration, optimizing storage by 15%.

DEUTSCHE BANK, New York, United States of America: JULY 2017 – MARCH 2018

Unix/PLSQL Developer

- **SQL Production Issue Resolution:** Fixed SQL report issue, saving \$100K+ by correcting rounded fee rate calculations.
- **Query Optimization:** Optimized Sybase SQL procedure for a 5M+ row reconciliation dataset; reduced query time from 20 minutes to 5 by replacing self-joins with CASE-based pivoting.

EDUCATION

Bachelor of Engineering in Software, University of Carleton, Ottawa, Canada — April 2016

CERTIFICATES

- Frontend Developer(React) & Software Engineer | HackerRank | 2025
- SQL: Advanced | HackerRank | 2025
- JavaScript: Intermediate | HackerRank | 2025
- React.js & Node.js | HackerRank, ComIT | 2021