JAMES ROBERT

Data Scientist/Full Stack Developer

WORK EXPERIENCE

Shopify, Toronto, Canada

Data Scientist   08/2021 – Present

- Increased the usage and adoption of AI in 20+ departments by implementing RESTful APIs to surface machine learning predictions.
- Designed an anomaly detection framework for 10+ digital channels of RW, reducing monthly loss avoidance by $23K.
- Built an interactive dashboard for 120+ private sector clients to explore employment and investment opportunities across 30+ geographies.
- Developed a smart solution that reduced the number of manual data entries from 89% to <5%, decreasing processing time from 20+ days to 48 minutes.

Wattpad, Toronto, Canada

Full Stack Developer   10/2019 – 07/2021

- Optimization web services and APIs that enabled seamless communication between front-end and back-end components, enhancing performance by 20%.
- Set up a relational database manager for storage, retrieval, and manipulation of data, leading to improved data accessibility by 30%.
- Developed databases and data storage solutions, improving data retrieval times by 40% and reducing data loss by 50%.
- Collaborated with the UX team to optimize the user experience, resulting in a 15% increase in customer satisfaction scores.

Lightspeed, Burnaby, Canada

Database Developer   11/2018 – 09/2019

- Developed a database to track purchase orders, invoices, and shipping information from 1350+ clients.
- Devised and implemented an email package that automatically notifies 150+ developers about issues with overnight backups within 10 seconds of the incident.
- Created an ETL system that pools data from 85+ OLTP sources to a staging area then transforms and loads it into a data warehouse that provides 85% of the information executives use to make decisions.
- Developed an SQL Server Integration Services (SSIS) package to transmit files from 240+ sources and load the data into multiple SQL database tables.

PREVIOUS EXPERIENCE

Junior Web Developer, Apptaura, London, United Kingdom	06/2017 – 10/2018	
Statistical Programmer, Quantexa, London, United Kingdom	01/2016 – 05/2017	
Junior Data Analyst, Acronis, Singapore City, Singapore	07/2014 – 12/2015	

CONTACT

- Ottawa, Canada
- Bluedreambd013@gmail.com

SKILLS

Programming:
- SPSS
- SAS
- R
- MATLAB
- Demetra+
- Python

Big Data:
- Hadoop
- Spark
- Storm

Tools and Software:
- SQL
- STAN
- Tableau
- Pentaho

Languages:
- English (Native)
- Chinese (Conversational)

EDUCATION

Carleton University

Bachelor of Science in Computer Science
Ottawa, Ontario, Canada, 10/2010-06/2014

OTHER

- Principal Data Scientist (PDS)
- Certified Analytics Professional (CAP)