

# Vishnu Srivastava

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## EDUCATION

### UNIVERSITY OF WATERLOO

MMATH THESIS IN COMPUTER  
SCIENCE

Major: Software Engineering  
Guide: Prof. Paulo Alencar  
Waterloo, ON | CGPA : 87%  
Sep'14 - May'17

### DELHI TECHNOLOGICAL UNIVERSITY

B.TECH ENGINEERING PHYSICS

Major: Robotics & Info Systems  
New Delhi, India  
May'09 - Sep'14

## LINKS

Website:// [www.the-software.dev](http://www.the-software.dev)  
Github:// [github.com/zxingz](https://github.com/zxingz)  
LinkedIn:// [linkedin.com/in/zxingz](https://linkedin.com/in/zxingz)

## SKILLS

### PROGRAMMING

Over 10000 lines:

Python • Java • C++/C • JavaScript •  
Bash

### PYTHON

Apache Airflow • Pandas • PySpark •  
Django • PyTorch • Spacy • SQLAlchemy  
• scikit-learn

### JAVASCRIPT

Bootstrap4 • jQuery • ReactDOM

### DATA VISUALIZATION

Tableau • Grafana • D3.js • Plotly •  
Kibana

### DB/CACHE/QL

Postgresql • Redis • Hive • MySQL •  
Oracle

### DEV/CI/CD

Jenkins • Docker • Git • SVN

### MONITORING

ElasticSearch • Filebeat • CAdvisor •  
NodeExporter

### ENVIRONMENTS

RHEL • Windows • Hadoop HDFS •  
Apache Mesos-DC/OS

## EXPERIENCE (3 YEAR 11 MONTHS)

### SCOTIABANK

DATA SCIENTIST | INTERNATIONAL BANKING ANALYTICS

August 2019 – Present | Toronto, ON

- Working on customer segmentation into premium groups based on wealth and risk adjusted revenue.
- Developed pricing simulation dashboard for Caribbean operations to simulate changes in fee structures.
- Manage analytics pipeline to Scotiabank's Latin America and Caribbean businesses.

#Microservices #DC/OS #Spark #APIs #Data Visualization

DATA SCIENTIST | DECISION SCIENCES

July 2018 – August 2019 | Toronto, ON

- Used Grafana and Postgres to create dashboards for Electronic Money Transfer transactions.
- Analyze Electronic Money Transfers using PySpark to gather transaction information(Email ID, Acc No., IP) from log files on HDFS.
- Developed Reading Comprehension System using Google Research's BERT model for SEDAR News documents.

PROGRAMMER ANALYST | CENTRALIZED RISK PLATFORM

July 2017 – July 2018 | Toronto, ON

- Deployed Apache Airflow for RMIT Risk Warehouse on Production environment with 80+ DAGs.
- Deployed Elasticsearch and Filebeat for log analysis.
- Deployed monitoring stack (Prometheus, Grafana, CAdvisor, NodeExporter).

INTERN | EQUITY TRADING & ELECTRONIC EXECUTION SERVICES

May 2016 – August 2016 | Toronto, ON

- Instant Chat using Socket.IO, Email reporting/tracking server, Trading performance report.

ERNST & YOUNG L.L.P | ASSOCIATE CONSULTANT | IT ADVISORY

June 2013 – July 2014 | New Delhi, India

- Develop & Design UI and Logic using SAP Advanced Business Application Programming. Customize and Develop Data Report and Form Generation.

SAMSUNG R&D LAB | INTERN | DATA ANALYTICS GROUP

May 2013 – June 2013 | New Delhi, India

- Extraction of movie trailer links from MovieLens data sets. UI for Samsung Smart TV gesture recognition Application.

## PROJECT

THE-SOFTWARE.DEV (In-Progress) [the-software.dev/u/vishnu](https://the-software.dev/u/vishnu)

- Application Streaming service for developers to showcase their working applications live through our streaming platform. It enables users to host their applications wherever they like (Cloud/ Personal Desktop) and share it with the world.

#GCP #Compute Engine #BigQuery #Google Sign-In #Flask #Selenium

## OTHER PROJECTS

• The-Software.Dev • Airflow • Monitoring • Machine Comprehension- Google BERT • High Frequency Trading