

# Varun Pius Felix Rodrigues

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Seattle, WA - 98122

## EDUCATION

### Master of Science in Computer Science

August 2015 – May 2017

University of Florida, Gainesville, FL

### Bachelor of Engineering in Electronics and Telecommunication Engineering

August 2008 – June 2012

University of Mumbai, Mumbai, India

## SKILLS

**Programming Languages:** Java, Python, Flask, Scala, Linux Shell scripting (Bash), C++, Matlab, GoLang

**Database:** Teradata, Oracle PL/SQL, MySQL, InfluxDB, MongoDB, Cassandra, Apache Hive, Redis, DynamoDB, Apache Spark

**Tools:** Tableau, IBM Cognos, Microsoft BI, SAP BusinessObjects, Informatica, Amazon Web Services (AWS), Docker, Git

## WORK EXPERIENCE

### TIBCO Software Inc., Seattle, WA

May 2018 – Present

Senior Data Engineer

- Planned distributed data architectures spanning multiple geographical regions as well as technical specifications
- Developed software frameworks to automate and optimize data manipulation for specific use cases and software requirements as well as design canaries to track and alert issues for the same
- Responsible for efficient data storage for faster retrieval and analysis of data as well as for optimized replication
- Analyzed log data on Splunk and Graphite and created triggers to automate alerts for critical issues
- Did data cleansing, data redaction and deletion for various regulations and privacy policies including EU GDPR

### Wellington Management, Boston, MA

July 2017 – April 2018

Python Developer

- Collected data through Web scraping and other data collection techniques from varied data sources including the web, and publicly available Government databases, public data repositories and private data services
- Built data pipelines to format unstructured data into structured data and push to Amazon S3
- Implemented a serverless system to be triggered through Amazon Lambda to run ETL frameworks developed on Python
- Synthesized a data analysis framework using Pandas and Numpy to be used by analysts to make investment decisions
- Orchestrated containers for ease of maintenance and scalability

### Apple Inc., Cupertino, CA

May 2016 – August 2016

Data Engineer Intern

- Engaged in the Data Engineering and Business Intelligence domain for global Market Sales Analytics
- Analyzed data, performed data modelling, designed data warehouse, optimized to handle huge volume of data, and built reports for Sales forecasting
- Identified potential customers through selective dimension filtering and using machine learning
- Performed forecast modelling and data analysis using tools such as Tableau, Teradata and R

## PROJECTS

### Container Metrics Monitoring, The MathWorks Inc.

March 2017 – April 2017

- Developed an analytics and reporting system, which collects metrics from Docker Containers in Amazon AWS and stores them in persistence layer.
- Engineered a data pipeline using Java, InfluxDB and Grafana along with other technologies

### Market Reporting, Apple Inc.

May 2016 – August 2016

- Performed data modeling and designed data warehouse for campaign reporting using Teradata; reporting done using Tableau to serve as a front-end for analysts
- Created an Automation solution using shell scripts and cron jobs to automate tasks such as mail and procedure runs
- Programmed a forecasting model using R and reporting on Tableau for predictive analytics