

# Varun Pius Felix Rodrigues

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Seattle, WA - 98101

## EDUCATION

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**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

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**Programming:** Python, Flask, FastAPI, Java, Scala, Linux Shell scripting (Bash), GoLang

**Data Technologies:** Teradata, Oracle, MySQL, InfluxDB, Cassandra, Apache Hive, Redis, DynamoDB, Apache Spark

**Tools:** Docker, Git, Airflow, Kubernetes, Tableau, Amazon Web Services (AWS), SAP BusinessObjects, Informatica

## WORK EXPERIENCE

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**Nordstrom**, Seattle, WA November 2020 – Present

Software Development Data Engineer II

- Contributed in the Nordstrom Analytical Platform design phase that helped business take faster objective decisions
- Developed the software framework to collect and aggregate data in near real time with minimal latency
- Designed object models, updated event merger code to integrate the object model and provided APIs for data access
- Automated data pipelines using scripts and Airflow DAGs for data aggregation and SQL procedure runs

**TIBCO Software Inc.**, Seattle, WA May 2018 – November 2020

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 trigger alerts for the issues raised
- Responsible for designing APIs to post, update and get data for client applications
- 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 modeling, 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 modeling, data analysis and predictive analytics using tools such as Tableau, Teradata and R

## PROJECTS

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**Event Merger for Payment Analytics**, NordStrom Aug 2022 – Oct 2022

- Developed an analytics and reporting system, which collects payment metrics from Order Events when order is created and stores them in persistence layer.
- Engineered a data pipeline using Python, Spark and Teradata along with other technologies