Varun Pius Felix Rodrigues

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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