Tony Alvarez

Cloud Data Science and Engineering
Land O' Lakes, FL
-Email me on Indeed: http://www.indeed.com/r/Tony-Alvarez/caa8fb27e610e519

Work Experience

Solutions Specialist
Deloitte Consulting LLP-Tampa, FL
May 2022 to Present

• Developed execution plans to migrate data and services to AWS/Snowflake.
• Detailed post migration test cases for AWS services including IAM, Lake Formation, VPC, Glue, etc.
• Created GenAI proofs of concept for various stages of the data management lifecycle.
• Engaged stakeholders in multiple data services workstreams to determine organizational architecture.
• Managed tasks in an agile environment through multiple requirement and acceptance steps.

Cloud Data Engineer
Avalon Healthcare Solutions-Tampa, FL
April 2021 to May 2022

• Worked with senior executives on product development and new technology offerings.
• Administered a non-production AWS OU setting up policies and services for multi-level end users.
• Used AWS Glue to execute the ETL of sensitive terabyte sized files into S3 securely.
• Automated PySpark scripts using Lambda functions to invoke serverless resources for ML pre-processing.
• Applied ML and Big Data tools to create new product offerings through algorithmic manipulation of data.

Data Scientist
PalletOne-Bartow, FL
June 2019 to April 2021

HIGHLIGHTS

• Proficient in various scripting and programming languages (Python, SQL, BASH)
• Ability to apply ML/AL models to solve business challenges (Statsmodels, SciKit, Keras, PyTorch)
• Experience in accessing and manipulating data and creating pipelines (SQLServer, AWS)
• Skilled at data visualization on an ad hoc basis as well developing reporting tools (PowerBI)
• Modeled timeseries data and generate projections for publicly traded commodities and sales
• Automated the ingestion of various data files from opensource APIs to migrate to a data-warehouse
• Applied feature engineering techniques for the refinement algorithm results with relevant data
• Created and maintained PowerBI reports to empower SMEs with data driven business decisions
• Integrated Google and Bing APIs so that internal date could be augmented for BI reports (Geocoding, Routing)
• Maintained open lines of communications with domain SMEs to gain insights and identify opportunities
• Used geospatial modules to analyze location data for competitive intelligence and modeling
• Performed extensive data cleaning and transforming to unify disparate data sources

• Presented exploratory data analysis and visualizations helping gain novel insights on business processes

Sr. Biological Scientist/Data Analyst/Lab Manager

USF-Infectious Disease and Internal Medicine-Tampa, FL

February 2012 to June 2019

• Subject matter expert on statistics and data analysis
• Analyze results and create visualization for publications and grants
• Manipulate and analyze large data files using R or Python
• Manage lab operations including training subordinate assistants and technicians
• Apply scientific reasoning and execute a wide range of molecular genetic experiments
• Advanced in title and responsibility several times beginning as a part-time student assistant

Education

Master of Science in Business Analytics and Information Systems

UNIVERSITY OF SOUTH FLORIDA - Tampa, FL

May 2019

Master of Science in Biotechnology

University of South Florida - Tampa, FL

December 2013

Master's in Business Administration-Data Analytics

University of South Florida-Main Campus - Tampa, FL

Skills

• SQL
• Python
• AWS
• Data Science
• Shell Scripting
• Jira
• Microsoft Access
• Statistical analysis
• Data mining
• Microsoft Excel
• Business development
• Leadership
• Negotiation
• Time management
• Analysis skills
• Organizational skills

- Agile
- Databases
- Data analysis skills
- Microsoft SQL Server
- Research
- Windows
- Communication skills
- Management
- System administration
- Linux
- Spark
- Pandas
- UNIX
- Relational databases
- Performance tuning
- Master data management
- Cloud architecture
- Unit testing
- Software development
- Visual Studio
- Tableau
- TFS
- SSIS
- Distributed computing
- Database administration
- Data quality assurance
- Data pipelines
- RDBMS
- Database design
- Data visualization
- Data modeling
- Data analytics
- Open source contribution
- Analytics
- ETL
- Data warehouse
- Statistics
- AWS Lambda
- Git
- S3

- Identity & access management
- Hadoop
- Cloud infrastructure

Links

http://www.linkedin.com/in/alvarezcarmelo