

# Johnny R. Guamanquispe

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## DATA ENGINEER

Data Engineer with 11+ years of expertise across Data Engineering, BI Architecture, and Predictive Modeling. Expert in Python and SQL, with a proven track record of managing enterprise-level data environments for 28,000+ BI users. Leveraging an M.S. in Computer Science to transition into Data Science, focusing on transforming complex datasets into actionable executive insights.

## SKILLS

**Language:** Python (Pandas, NumPy, Scikit-learn) | SQL (Oracle, PostgreSQL, MySQL) | C | Java

**Machine Learning:** Supervised Learning | Unsupervised Learning | Deep Learning | Model Evaluation

**Tools & Visualization:** Tableau | Looker | Seaborn | Matplotlib | PyTorch | Git | Docker | Google Cloud (GCP)

**Data Engineering:** BigQuery | Web Scraping | API Integration | ETL pipelines

## EXPERIENCE

**Verizon**, Basking Ridge, NJ **June 2014 - February 2026**

**Engr III - Spec-Data Engineering, June 2021 - February 2026**

Lead the modernization, automation, and data governance of the network systems financial reporting ecosystem to ensure high-scale reliability and executive visibility.

- Managed multi-tier, multi-node Tableau (Dev, Staging, UAT, Prod) and Google Looker Core (Dev, Prod) environments, supporting a combined user base of 28,000+ active users.
- Architected a unified executive interface by integrating 12 data sources, transitioning 20+ legacy reports, and developing over 60+ new dashboards into a single source of truth.
- Automated executive reporting workflows using Python, reducing manual data processing time by 80% and enabling real-time delivery of deep-dive analytics.
- Secured 100+ tables via Tableau dynamic user functions, automating data governance to provide executives with full-org visibility while preventing unauthorized access to financial data.

**MTS II-Sys Engineering, June 2017 - June 2021**

Accountable for the high-availability and performance of the Tableau/Looker ecosystem across global environments.

- Directed global project lifecycles by coordinating 6 onshore/offshore resources, ensuring 100% alignment between data product delivery and core business requirements.
- Developed high-visibility Tableau Dashboards and reports for Network Systems, driving a 50% increase in platform usage across executive stakeholders.
- Administered a complex, multi-tier Tableau ecosystem consisting of Dev, Staging, UAT, and Production environments with 6 or 8-node clusters to support 20,000+ active users.
- Orchestrated end-to-end server administration, including OS patching, performance tuning, and version upgrades, maintaining 99.9% uptime.

**MTS I-Sys Engineering, June 2014 - June 2017**

Directed the end-to-end architecture of data ingestion and BI reporting frameworks to support the core analytical needs.

- Designed 15+ new OBIEE executive dashboards and supported 100+ existing dashboards and KPI scorecards, converting complex network data into actionable insights for strategic decision-making.
- Modeled robust data warehouse schemas and developed optimized stored procedures to ensure 100% data integrity and optimal query performance for executive-level reporting.
- Architected and maintained robust ETL pipelines using Oracle Data Integrator (ODI), streamlining the ingestion of data from 100+ diverse source systems—including flat files, Oracle GG, and RDBMS—into a centralized data warehouse.

## EDUCATION

**Master of Science Computer Science** | Stevens Institute of Technology, Hoboken, NJ

**Certificate Business Intelligence and Analytics** | Stevens Institute of Technology, Hoboken, NJ

**Certificate Data Science** | Harvard Extension School, Cambridge, MA

**Bachelor of Science Information Technology with Minor in Computer Science** | Kean University, Union, NJ