

# MICHAEL RODRIGUEZ

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Data Scientist and Technology Consultant with a Master's in Information Systems and Operations Management (Data Science concentration). Expert at translating complex data into strategic business solutions. Extensive experience spanning the full data lifecycle: from managing IT infrastructure and cloud migrations to scaling production-level analytics for Fortune 500 clients. Skilled at driving data-backed operational efficiency.

## TECHNICAL SKILLS & CERTIFICATIONS

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- **Data Science & AI:** Python (PyTorch, NumPy, Pandas), R, Neural Network Architecture, RAG (Retrieval-Augmented Generation), Regression Analysis, Statistical Modeling.
- **Data Engineering & Visualization:** SQL (MySQL, PostgreSQL), Tableau, Power BI, Data Pipelines, Migration Troubleshooting, Exploratory Data Analysis (EDA).
- **Cloud & DevOps:** AWS (Certified Cloud Practitioner - 2024), Firebase, Docker, Ubuntu Server, Linux (Arch, Fedora), GitHub Actions (CI/CD).
- **IT & Business Operations:** Active Directory, Salesforce, Technical Project Management, Vendor Relations, Stakeholder Management, Process Optimization.

## PROFESSIONAL EXPERIENCE

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### Business Architecture Analyst (Technology Consultant)

Accenture | New York, NY

July 2024 – Present

- Architect data-driven solutions for Fortune 500 clients, focusing on large-scale data migration and operational reporting.
- Debug and optimize data pipelines, ensuring high-fidelity data flow for enterprise-level business intelligence.
- Develop sophisticated dashboards that provide executive leadership with actionable insights and real-time business performance tracking.
- Consult with client stakeholders to bridge technical requirements with business architecture and process improvements.

### Senior Analyst

Walmart | Hoboken, NJ

Nov 2023 – July 2024

- Directed data analytics initiatives, framing complex business problems into actionable advanced analytics projects.
- Engineered new features and automated workflows that significantly increased team efficiency in data processing.
- Conducted deep-dive exploratory data analysis to identify trends, ensuring data integrity for high-stakes decision-making.
- Collaborated with Product and Engineering teams to deploy scalable data solutions within the Walmart ecosystem.

### IT Manager & Infrastructure Lead

MKRS Law | Coral Gables, FL

May 2016 – Jul 2021

- Directed all IT operations across seven regional offices, supporting 90+ users and ensuring 99.9% system uptime.
- Led 30+ major infrastructure projects, including full cloud migrations and security overhauls.
- Modernized firm-wide workflows by implementing custom business system requirements and vendor management strategies.
- Optimized IT procurement and operations, reducing turnaround time by 75% through strategic automation.

## EDUCATION

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MS, Information Systems & Operations Management (Data Science) | University of Florida

May 2023

BS, Information Technology | Florida State University

Aug 2015

## PROJECTS & TECHNICAL INTERESTS

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- **Deep Learning:** Built a neural network in Python to process and classify MNIST handwritten digit datasets.
- **Cloud Architecture:** Developed and deployed a personal portfolio (rodriguezmichael.com) using a CI/CD pipeline via GitHub Actions and Firebase Hosting.
- **Home Automation & Server Management:** Architected a containerized home environment utilizing Ubuntu Server, Docker, and Home Assistant to automate complex IoT workflows.