

# MATT SCHULTZ

[matt@mwschultz.com](mailto:matt@mwschultz.com)

919-622-6089

## Skills:

- Expertise in supporting IT operations for clinical research administration, with experience both developing custom solutions and managing vended applications.
- Strong background in data engineering and analysis, including working with Epic Clarity. Experience in setting up extract, transform, and load (ETL) pipelines, automating manual data collection processes, migrating legacy data, and developing effective reports and dashboards for monitoring Key Performance Indicators.
- Proficiency with multiple business intelligence tools: Google Data Studio, SAS Visual Analytics, SAP BusinessObjects, JasperReports, Tableau, ArcGIS, and Microsoft Access/Excel/Power BI.

**Development Experience In:** SAS, PHP/Laravel, Ruby/Ruby on Rails, T-SQL, PL/SQL, and JavaScript (jQuery, React, and Redux).

## Career History & Accomplishments:

**Senior Systems Analyst**, ElectriCities of NC

May 2024 – Current

- Automate data collection to improve the auditing of municipalities' electrical utility billing systems.
- Serve as liaison between municipalities and commercial software vendors.

**Senior IT Analyst**, Duke University School of Medicine, Office of Academic Solutions & Information Systems

December 2022 – May 2024

- Built Ruby on Rails web services for tracking research effort across both the university and the health system via the MyResearchHome portal, a centralized web portal for the Duke research community.
- Integrated new tools, including GitLab CI/CD and the OpenShift platform, into existing DevOps workflows for enhanced developer productivity and application reliability.
- Onboarded and mentored junior developers.

**IT Analyst**, North Carolina State University, Enterprise Application Services

June 2020 – December 2022

- Designed tooling to migrate historical data and enable ongoing data transfer from legacy applications into the university's new vendor-developed research data management system.
- Set up ETL pipelines in SAS Data Integration Studio to capture enterprise data for operational work and reporting.

**IT Analyst**, Duke University School of Medicine, Office of Academic Solutions & Information Systems

July 2018 – June 2020

- Built new Ruby on Rails web services for data sourced from multiple Duke systems, including clinical trials, sponsored projects, and conflict of interest management.
- Developed enhancements for Duke's proposal and award management applications.

**Data Analyst**, Duke University School of Medicine, Office of Academic Solutions & Information Systems  
June 2015 – July 2018

- Collected user requirements and designed reports and dashboards to track research operations data using BusinessObjects, JasperReports, and Tableau.
- Served as lead data analyst on the successful multi-year migration of existing enrollment data into a single clinical trial management application (OnCore).

**Business Analyst**, SBG Technology Solutions  
December 2012 – June 2015

- Assisted project managers in directing multiple healthcare IT projects for the federal government.

**Research Associate**, TransAnalytics  
December 2010 – December 2012

- Developed and maintained interfaces, queries, and reports in Access and Excel for analyzing traffic fatalities from a nationwide database.

## **Education and Certifications:**

**North Carolina State University**

Bachelor of Science in Biochemistry

ITIL Foundation Certificate in IT Service Management