

MATT SCHULTZ

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919-622-6089

Skills:

- Experienced in developing custom web applications and supporting vended solutions, with a focus on research administration and enterprise finance/human resources.
- Strong background in data management, including building extract, transform, and load (ETL) pipelines, automating manual data collection processes, migrating legacy data, and working with stakeholders on data governance.
- Proficiency with multiple business intelligence tools: Google Data Studio, SAS Visual Analytics, SAP BusinessObjects, JasperReports, Tableau, ArcGIS, and Microsoft Access.

Development Experience In: SAS, PHP/Laravel, Ruby/Ruby on Rails, Java, T-SQL, JavaScript (jQuery, React, and Redux), and automated testing with PHPUnit, RSpec, Watir, and Jest.

Education and Certifications:

North Carolina State University

Bachelor of Science in Biochemistry

ITIL Foundation Certificate in IT Service Management

Career History & Accomplishments:

Senior Developer, Duke University School of Medicine, Office of Academic Solutions & Information Systems
December 2022 – Current

- Build web services for tracking research effort across both the university and the health system.
- Integrate new tools, including GitLab CI/CD and the OpenShift platform, into existing DevOps workflows for enhanced developer productivity and application reliability.
- Onboard and mentor junior developers.

Developer, North Carolina State University, Enterprise Application Services
June 2020 – December 2022

- Designed tooling to migrate legacy data and enable ongoing data transfer from internally-developed 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.
- Retained as consultant to provide customized enhancements as additional modules of the research data management system are brought online.

Developer, Duke University School of Medicine, Office of Academic Solutions & Information Systems
July 2018 – June 2020

- Built Ruby on Rails web services for data sourced from multiple Duke systems, including clinical trials, research finance, and conflict of interest management.
- Developed enhancements for Duke's proposal development and award management applications, as well as MyResearchHome, a centralized web portal for the Duke research community, using Ruby on Rails and React.

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

- Collected user requirements and built 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.

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.