

Mark E. Riley

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Languages & Aptitudes: Python, R (R Studio), SQL, C#, Java, Hive, Apache Pig, Hadoop, Spark, Scala, Amazon Web Services (AWS), Azure, Tableau, GitHub, MS Office Suite.

Data Science Skills: Statistics, regression, classification, unsupervised learning, prescriptive analytics, data warehousing, visualizations, forecasting, high-performance computing, text mining, natural language processing, network analysis.

Education and Certifications

MS, Data Science | **University of Wisconsin – La Crosse**

Capstone Project: Applying Predictive Analytic Capabilities for CardioMEMS Patients

BBA, Information Systems Analysis & Design | **University of Wisconsin – Madison**

Project Management Professional (PMP) Certification | **Project Management Institute**

Professional Experience

Cumberland Consulting Group | Franklin, TN

Senior Principal | May 2018 – Sep 2019

- Led an Epic EHR planning and budgeting project for both direct and connect/affiliate implementation options with the executive management team at Arnot Health in Elmira, NY.
- Worked with the CIO and CMIO to create an IT Steering Committee and Project Management Office including templates, workflows, and training at Hurley Medical Center in Flint, MI.
- Performed an EHR systems audit, HIT market overview, and developed recommendations for a strategic EHR roadmap for University Hospitals in Cleveland, OH.

Principal | Jul 2012 – May 2018

- Directed a team of consultants in the development of an implementation methodology for a custom-developed chronic care digiceutical health solution, as well as pilot implementations at two sites for EMD Serono in Rockland, MA (Merck KGaA Darmstadt, Germany).
- Led an Epic Connect pre-implementation planning project for an affiliate of the University of Rochester Medical Center in Rochester, NY.
- Developed a strategic plan and organization chart for Great Lakes Health System's two members, Kaleida Health and Erie County Medical Center Corporation in Buffalo, NY.
- Conducted a vendor evaluation and selection for revenue cycle management system replacement, including total implementation cost estimates for Jefferson Regional Medical Center in Pine Bluff, AR.
- Led a team in an IT assessment and strategic roadmap development project, followed by a fatal flaw enterprise EHR vendor evaluation and selection for St. Joseph's Healthcare System in Patterson, NJ.
- Directed the formation of an IT Steering Committee, developed a 12-month technology roadmap for IT initiatives, and oversaw a team of project managers leading five different key IT projects, four of which involved custom software development for PopHealthCare in Franklin, TN.

- Oversaw a vendor evaluation and selection project for home-based health assessments and care management workflows on the Salesforce platform for ComplexCare Solutions in NYC.
- Led a team to design, develop, test, and deploy a data extraction process from an ambulatory EHR system into an enterprise BI system for Eskenazi Health in Indianapolis, IN.
- Performed analysis for potential acquisition of a third-party ambulatory EHR and population health management system and prepared a formal report and recommendation for RegionalCare Hospital Partners in Brentwood, TN.

Executive Consultant | Jan 2008 – Jul 2012

- Directed teams of more than 20 analysts in multiple markets, bringing over 300 healthcare providers live on the eClinicalWorks EHR for HCA Physician Services in Brentwood, TN.
- Managed the implementation and go-live of Epic inpatient clinical documentation and electronic medication administration record (eMAR) systems at the University of Chicago Hospitals.

Managing Consultant | Apr 2005 – Dec 2007

- Completed the implementation of Allscripts TouchWorks clinical modules for the Department of Surgery at Washington University in St. Louis Faculty Practice Plan in St. Louis, MO.

Clarity Consulting | Chicago, IL

Consultant | Jun 2004 – Apr 2005

- Full-stack custom software developer using C#, MS SQL Server, and Sybase databases for Volkswagen Credit and Follett Higher Education Corporation.

Capgemini | Chicago, IL

Consultant/Senior Consultant | Aug 2001 – Jun 2004

- Database architect on IBM DB2, MS SQL Server, and Oracle 9i for clients including ConocoPhillips in Houston, TX and HCA in Nashville, TN.

About Me

Volunteering

- Assistant Scoutmaster, Troop 255, National Capital Area Council
- DC Central Kitchen, Kenilworth Aquatic Garden, Central Union Mission through the Wisconsin Alumni Association – Washington, DC Chapter (DC Badgers)

Hobbies

- Travel
- Golf
- Paddle tennis and pickleball
- Home video editing