

David McWhorter

Software Engineer



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About

Passionate creator of software that harnesses data to heal the world.

Experience

March 2015 - Present

Software Architect; Staff Software Engineer, Sr. Software Engineer

🌐 <https://www.premierinc.com>

nqad

Software Engineering

- Developing Service Line Analytics, a tool for analyzing utilization and cost of surgical supplies and drugs as well as clinical outcomes.
- Developing Cohort Builder and Measure Builder, foundational tools allowing users to create patient cohorts and flexible measures for data analytics
- Designing and implementing data ingest, transformation and indexing components
- Designing and implementing user-facing web services and UI components
- Designing and implementing data analytics components using appropriate algorithms and technologies
- Designing and implementing infrastructure components including server administration and distributed computing frameworks
- Building software tools that support our operations staff

Technical Leadership

- Working to build and support an engaged, transparent, innovative and helpful engineering team culture
- Supporting others on the team with technical input and direction on a daily basis
- Asking pointed questions and contributing to discussions to clarify, challenge and refine product requirements and strategy
- Providing critical but constructive feedback and contributions to other teams, staff members, and the broader organization

Data Science

- Contributing to the design and implementation of an on the fly retrospective pair-matched patient comparison tool to allow users to analyze the effect of a single variable on patient outcomes while holding other variables nearly constant
- Developing foundational components (e.g. cohort creation) of a larger data analytics framework

January 2013 - January 2014

President

 <http://company.com>

Description...

Started the company

- Present

Lead dev

 <http://company.com>

Description...

Started the company

Education

University of Virginia

2001 - 2005

Bachelor's Degree

Computer Engineering and Computer Science

 GPA: 3.76

Piedmont Virginia Community College

2010 - 2010

Statistics

University of Virginia

2011 - 2011

Linear Statistical Models

École Polytechnique Fédérale de Lausanne

2012 - 2014

Functional Programming Principles in Scala; Principles of Reactive Programming

University of Illinois at Urbana-Champaign

2015 - 2015

Cloud Computing Applications

Publications

 *Undergraduate Thesis* in University of Virginia, 29 March 2005

Skills

Java	Spark
Scala	Git
Hadoop	Bash
Typescript	Python
R	Docker
React	K8S

Languages

English	Chinese
<i>Native speaker</i>	<i>Basic conversation</i>

Interests

Running Electrical Wiring