Jim Rothstein
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In different settings, I have done a range of database-related, SQL projects in the private sector. However, I now focus on R, its related packages and wish to apply this to applications in the public sector.

Like many, I could be happy moving ahead to the new challenges in genomics, ML and modeling large amounts of data. However, my preferred intermediate goal is to solidify what I do know and fill in gaps or weaknesses.

This means writing better code and documentation; for example, better testing, validating inputs, catching exceptions.

So I could immediately contribute to a team environment, but in support role, for example

- wrangle data, or improve workflows, pipelines
- refactor code
- improve function documentation
- write tests
- work through known code issues
- help document project best practices and coding style

Of course, I want to continue on to modeling process, EDA, graphics. But this can be done during down time, or my own time.

I also lived overseas in China, where I taught an introductory java course and set up and managed a popular, multi-cultural website and forum for both Chinese and foreigners Dalian, China.

I hope to be considered for a role in your group and begin to contribute.

jim Rothstein

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https://github.com/jimrothstein

Clinical Trials Package Developer (R)

Overview

R package developer. Worked with pharmaverse, including admiral, and pilot5 JSON delivery to FDA. Worked with CDISC standards, such a ADaM, SDTM, and including schema and REST api. Seek to focus on Clinical Trials R package development.

Related Skills

- R, 4+ years
- tidyverse, httr2, data.table, shiny, quarto ...
- SQL: 2+ years, joins, dplyr
- Rstudio, emacs, neovim

- admiral, admiraldev, sdtmchecks
- github
- zsh shell
- linux

Recent Projects & Skills

- (active) Fix issues in Pharamaverse Admiral and sdmtchecks R packages. Attend developer meetings.

- (active) Using Shiny developed preliminary dashboard for analysis of Drug Benefit Denials (public data from Center for Medicare and Medicaid (CMS)).

- (active) Used youtube API and `httr` and `httr2` to add/modify youtube.com playlists. Used OAUTH tokens scope. Active participant developing book Web APIs with R, using openAPI framework.

- Used tools in `rrapply` , `tidyr` , `vctrs`, `tibblify` to unravel deeply nested JSONs in tree/json format to table (from REST apis)

- (active) Contribute to various Open Source projects (Github)

RELATED WORK HISTORY:

2014 - present **R-Coders** Self-employed R programmer.

1996-2014 Self-employed contractor, including

- Webmaster, community expatriate website in China, 2005 – 2008 Setup, maintain, promote expat community-based website in Dalian, China. Selected Joomla, hosting company, hired and trained student volunteers.
- Capital IT Group, Dalian, China 2004- Mentor Chinese software engineers, light project management, pre and post sales.
- Center for Electronic Art, San Francisco, 2002 Taught Java, mySQL, jsp classes. Also supervised graduate student modeling shipping/ ordering/ inventory system.
- Teaching (1998-2012) Taught classes java, math, internet, statistics in China and California community college in US. Certified to teach math in at California community college.

Webmaster, Saratoga Systems, Campbell, CA (1996-1998) Maintain NT and IIS server. Various internet projects.

Web Database Development, Microsoft, Redmond, WA (1996) Web database applications using Asp, MS SQL; contractor.

Contract Programming Assignments: Chicago, IL (1986-1996) Designed and developed variety of business database applications (Paradox, Delphi, Access) For example

- Developed relational database model for insurance company to track debt and assets of its multi-billion dollar joint ventures/commercial properties.

- Developed order tracking system (paradox).

- Contributed to bank risk management tool (ms access)

Education

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BS MIT, physics
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