

Jim Rothstein
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In different settings, I have done a range of database-related, SQL projects. However, I now focus on R, its related packages and uses.

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.

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Clinical Trials Package Developer (R)

Overview

R package developer. Worked with pharmaiverse, including admiral, and pilot5 JSON delivery to FDA. Worked with CDISC standards, such as 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 Pharmaiverse Admiral and sdtmchecks 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 `rapply`, `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

BS MIT, physics

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