

jim rothstein

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# jim Rothstein

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## 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 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 ...
- github actions
- 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. Wrote github actions workflow to automate.
- (active) Develop github actions to automatically verify various pharmaverse datasets and templates pass tests.
- Using Shiny developed preliminary dashboard for analysis of Drug Benefit Denials (public data from Center for Medicare and Medicaid (CMS)).
- 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`, `tibble` 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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