Scott A. Chamberlain

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SKILLS

- Python: 7 years experience. Maintaining a few Python packages on PyPi. Flask. Async.
- Javascript: a few years experience, particularly Vue.js
- Ruby: 7 years experience. Maintain 3 Ruby packages. Created many REST APIs with Sinatra.
- R: 16 years experience, research projects and packages. Created over 100 R packages.
- Databases/etc: Experience includes SQL/SQL-like (BigQuery, Redshift, MySQL, MariaDB, SQLite, PostgreSQL), document databases (MongoDB, CouchDB), key-value stores (Redis).
- Cloud platform experience: AWS, DigitalOcean, Heroku, Google Cloud Platform
- Cloud data tools: Prefect, Dagster, Xplenty/Integrate.io

WORK EXPERIENCE

Nov 2022 – present   Deck, Senior Data Engineer

Deck tells Democratic campaigns who to reach and how to win.

- Manage data orchestration tooling, using Python, deployed on Prefect.
- Write R code to scrape/collect data from many sources to go into our data warehouse.

August 2021 – Nov 2022   OurResearch, Principal Software Engineer and Product Owner

OurResearch is a non-profit that builds tools to make scholarly research more open and reusable.

- Principal Software Engineer and Product Owner of Unsub (unsub.org) - a web application to help university librarians evaluate research journal access and costs.
- Developed Unsub alone, including: front- (Vue.js) and back-end (Python Flask), database (Redshift), ETL work (Xplenty, Heroku scheduled scripts, Zapier, Bash scripts), sales, demos, account management (Hubspot, Intercom), privacy policy development together with a lawyer.

June 2014 – July 2021   rOpenSci, Co-Founder

rOpenSci is a non-profit whose mission is to facilitate reproducible research.

- Along with rest of leadership team, deciding on vision and focal areas
- Maintained dozens of R packages to help researchers do more reproducible research.
- Developed infrastructure for software review; editor/reviewer for code submitted to rOpenSci.
- Authored hundreds of blog posts on the rOpenSci blog and my personal blog. Compiled and distributed the rOpenSci newsletter for 6 years. Co-authored a book on HTTP testing in R.

June 2016 – Jan 2021   Open Knowledge Maps, Backend Volunteer Contributor

Open Knowledge Maps is a visual interface to the world's scientific knowledge.

- Worked with a team using agile processes to maintain integration with many 3rd party APIs

May 2012 – April 2014   Simon Fraser University, Postdoctoral Scholar

- Curated SQL database with data from dozens of researchers across Canada.
- Synthesized data to answer questions about pollinators, leading to 3 peer-reviewed papers.

EDUCATION

2012   Ph.D., Ecology & Evolutionary Biology, Rice University

2003   B.S., Biological Sciences, California State University, Chico