Scott A. Chamberlain

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SKILLS

- Python: 7 years experience. Maintaining 4 Python packages on PyPi. Flask. Async.
- Javascript: a few years experience, particularly Vue.js
- R: 16 years experience, research projects and packages. Created over 100 R packages.
- Ruby: 7 years experience. Maintain 3 Ruby packages. Created many REST APIs with Sinatra.
- HTML/CSS: Proficiency; using HTML and customizing CSS for websites.
- Databases: Experience includes SQL (Redshift, MySQL, MariaDB, SQLite, PostgreSQL), document databases (MongoDB, CouchDB), and key-value stores (Redis).
- Cloud platform experience: AWS, DigitalOcean, Heroku

WORK EXPERIENCE

August 2021 – present   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.
- Develop 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 developer collective 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 the infrastructure for software review, served as an editor and reviewer for R packages submitted to rOpenSci.
- Authored hundreds of technical blog posts on the rOpenSci blog (https://ropensci.org/author/scott-chamberlain/) and my personal blog (https://recology.info/). Compiled and distributed the rOpenSci newsletter (https://ropensci.org/news/) for 6 years. Co-authored a book on HTTP testing in R (https://books.ropensci.org/http-testing/).

June 2016 – Jan 2021   Open Knowledge Maps, Backend Volunteer Contributor
Open Knowledge Maps (https://openknowledgemaps.org/) 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   Postdoctoral Scholar, Simon Fraser University

- 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
2009   M.A., Ecology & Evolutionary Biology, Rice University
2003   B.S., Biological Sciences, California State University, Chico