

Randall Leeds

Full-stack software architect building solutions for a complex society.

Education

2005-2009 **BSc, Computer Science; Brown University (Providence, RI)**

Employment History

Remix (Apr. 2017 — Present)

As an individual contributor and as a founding member of an organization-wide front-end engineering working group, I accelerated development and deployment of web-based geospatial applications for city transportation planners.

JavaScript + React + Redux, Python, Ruby + Rails, Terraform, Webpack

- Developed abstractions to enable rapid migration of an application from Leaflet to Mapbox GL
- Developed organizational capacity to begin continuous deployment of microservices
- Transitioned a major project out of active development and prepared it for long term maintenance

Medal (Jan. 2016 — Dec. 2016)

As the first full-time engineering hire, I recruited a team of engineers to develop solutions for medical records management in clinical and research settings.

Python (Django), C#, Amazon Web Services, Docker, Terraform

- Developed infrastructure-as-code supporting deployment under strict compliance requirements
- Established interviewing and onboarding processes for new engineers

Hypothes.is (Dec. 2011 — Sep. 2015)

I worked as technical lead of a not-for-profit initiative to develop open source annotation services supporting digital research, publishing and pedagogy.

Python (Pyramid), JavaScript (AngularJS), Elasticsearch, PostgreSQL, Amazon Web Services, Ansible, Docker

- Contributed to standards for digital annotation as a member of the World Wide Web Consortium (W3C) Web Annotations Working Group
- Developed modern, open-source JavaScript applications, libraries and browser extensions

Meebo (Sep. 2009 — Dec. 2011)

Python (Gevent, Twisted), C, Erlang, CouchDB, Cassandra, Redis, Graphite, Nginx, Puppet

- Introduced co-routine techniques for reducing memory use and time-to-ship for microservices
- Contributed to Apache CouchDB, becoming an active project maintainer

Technical Experience

Open Source Maintenance	I am a founding contributor to the Apache Annotator (incubating) project, an active maintainer of the Unicorn WSGI server, and a committer to the Apache CouchDB NoSQL database.
White House Champions of Change	I co-developed a prototype application for communities to build a directory of social services organizations obtaining an invitation to an Open Data round-table with administration officials and other honorees.
Programming Languages	<p>Python: I have 10 years of professional experience developing real-time messaging systems, Web APIs, and continuous deployment infrastructure.</p> <p>JavaScript: I have 8 years of experience developing web applications and actively follow language proposals and Web Platform development. I have professional experience working with Angular, React, Babel, Webpack, and other popular frameworks and tools.</p> <p>In addition, I am comfortable working in C, C++, C#, Java, or Erlang, and have a working comprehension of Ruby, Golang and more.</p>
Other Tools	AWS, CouchDB, Docker, Elasticsearch, G Suite, Git, JIRA, PostgreSQL, Terraform, ZFS, Zsh and much more.

Other skills

- Human Languages:
 - English (first language)
 - Spanish (reading/writing)
- Scrum leadership training