

Horace Williams

Software Engineer

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About

Software Engineer and educator working at Turing School in Denver, CO. Previously helped LivingSocial move fast while overcoming scaling difficulties and paying down technical debt. Interested in functional programming and cryptocurrencies, but eager to keep learning above all else. Hoping to join a small team where I can grow technically while applying my skills to an impactful domain.

Recent Projects

- **Clarke Coin:** Minimalist Educational Cryptocurrency. [Clojure Implementation](#) -- [DNS Node Discovery Server](#) -- [Documentation and Tutorials](#)
- [Slack-Slurper](#): Clojure Slack Bot for logging slack activity to an Elasticsearch index.
- [OpenAir](#): Make daily Rdio playlists out of Colorado Public Radio's OpenAir Playlist

Skills

Clojure, Ruby, Rails, JavaScript, Redis, SQL, Memcached, Varnish, Kafka, Resque, Graphite, LevelDB, Elasticsearch, Java.

Experience

Software Development Instructor, Turing School of Software and Design (Oct 2014 – Present)

- Run class sessions on CS fundamentals, Object Oriented Programming and Design, and Web Development.
- Produce new curriculum, including [60,000 lines of lesson plans, tutorials, and project assignments](#)

Denver ClojureBridge: Volunteer Instructor (Oct 2015)

LivingSocial: Software Engineer (Aug 2012 – Oct 2014)

- Whittled 50-kloc Rails app with 30+ minute test suite down to 25-kloc with 5-minute test suite through extraction of business responsibilities into separate services
- Moved consumer-facing applications from direct SQL DB access to HTTP-based data API. Used Redis, Varnish, and in-client LRU caching to keep client latencies comparable to direct-access system.
- Maintained 100-200 ms mean response time SLA while serving 500+ requests/second on an unwieldy Rails application
- Built new back-end data service and accompanying web front-end that powers the current consumer browse experience for livingsocial.com
- Led site recovery and triage for numerous production incidents during on-call rotations
- Developed internal "asset pipeline as a service" for sharing common UI assets

Hungry Academy at LivingSocial (March 2012 – Aug 2012)

Wong Logan Architects, Berkeley, CA: Junior Architect (July 2011 – March 2012)

Yale Daily News: Production & Design Editor, (2007 – 2009)

Yale Sustainable Food Project, New Haven, CT: Farm Manager (2008 - 2009)

Education

Yale University, New Haven, CT: B.A. in Architecture (May 2011)

Bates Research Fellowship, Finland and Scandinavia (Summer 2010)

Arabic Language Institute in Fez, Fez, Morocco (Summer 2008)