

Duane R. Bailey
bailey.d.r@gmail.com

Overview

I am...

- Experienced in Ruby, Scala, and C++. My favorite languages are scheme, python, and rust.
- Proficient with reasoning through SQL and NoSQL database behavior, performance, configuration, and data layout.
- Comfortable with graphic design, UX, CSS, HTML, and JavaScript.
- Experienced in designing, planning, and executing web application features from idea to final rollout.
- Detail-oriented when diagnosing bugs, performance issues, and inconsistent data.
- Engaged, via hobbies, in algorithms, systems, distributed services, databases, and compilers. (Ask me what I'm working on now!)

Employment

Software Engineer

Aug 2015-Sep 2019

Statuspage (acquired by Atlassian)

- Built, monitored, and maintained large swaths of the sms notifications subsystem, including adoption of short codes, local SMS contact points for our international users, and implementing opt-in functionality for subscriber verification.
- Responsible for building and monitoring outgoing email health, maintaining an "audit log" of subscriber events and automatic maintenance, maintaining parity in features across two different email providers, and personally working with customers to ensure their needs are met.
- Drove many features, including writing specs, estimating work, predicting and handling problems, researching the cost of surmounting barriers, handling rollout across thousands of users, and monitoring for any problems or required maintenance.
- Worked personally with customers, often arguing for & implementing small changes to meet their needs.

Trello

- Built out microservices for syncing identities across databases (specifically, from Atlassian ID → Trello ID).
- Oversaw monitoring, alerting, logging, disaster recovery, documentation to hand off to the next maintainers.

Software Engineer

Jan 2014-Jul 2015

Curalate

- Implemented and maintained Curalate iOS application when it launched in February of 2014 (sole application developer)
- Writing design and technical specifications, and the implementation of code from these specifications.

- Developed, monitored, and maintained fail-safe work queue, a client credential management service, and a custom permissions service authorizing users for actions of virtually any granularity.
- ETL clusters mining client web sites and image-based social networks.

Engineering Intern

Summer 2013

Rap Genius (now Genius)

Worked on site backend and prototyping an iOS application.

Engineering Intern

Summer 2012

Google

Worked on F1 team building the “functional index” functionality.

Chad Whipkey (cwhipkey@google.com)

Education

University of Massachusetts (2012-2013)

Amherst, Massachusetts

B.S. in Computer Science, not completed

Massachusetts College of Liberal Arts (2011-2012)

North Adams, Massachusetts

The College of William & Mary (2009-2010)

Williamsburg, Virginia