Duane R. Bailey
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Overview

- Experienced in Ruby, Scala, and C++, but functionally a polyglot.

- 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.

- Via hobbies, has a strong interest in algorithms, systems, distributed services, databases, and compilers.

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.

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