Duane R. Bailey
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Overview

› Experienced with deployment and maintenance of Ruby on Rails apps. Proficient in JVM (Java & Scala), Go, Rust and C/C++. Love to work with scheme and python.

› At ease reasoning through SQL and NoSQL database performance, configuration, and data design.

› Comfortable with building interfaces with CSS, HTML, and JavaScript, as well as iOS/macOS native applications.

› History of ownership of product features through designing, planning, and execution from concept to post-rollout maintenance.

› Detail-oriented when diagnosing bugs, performance issues, and inconsistent data.

› Naturally engaged in algorithms, systems, distributed services, databases, compilers, and many other topics outside of work, and always eager to learn more.

Work Experience

Software Engineer *Dec 2020-June 2021*
CoSell.io

› Assisted in post-funding product redesign.

› Managed deployment and integration of beta product.

› Spiked multiple integrations to assist in product idea validation.

› Walked throught the product with clients to understand und-user understanding and use.

Software Engineer *Aug 2015-Sep 2019*
Statuspage (acquired by Atlassian)

› Built, monitored, and maintained core parts of sms notifications subsystem, including adoption of "short codes," local SMS contact-points for our international users, and opt-in functionality for subscriber verification.

› Owned the building and monitoring of outgoing email health, maintained an "audit log" of events, and personally worked with customers to ensure their notification deliverability needs were met.

› Drove many features writing specs, estimating work, spiking solutions to problems, owning rollout, and monitoring for continued maintenance.

Trello

› Built out microservices to sync identities across databases from Atlassian ID → Trello ID.

› Oversaw dashboards, logging, alerting, disaster recovery, documentation for 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)

› Wrote 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.

› Maintained domain expertise in the realm of ETL clusters mining client web sites, open-graph product metadata, and image-based social networks.

› Owned construction and maintenance of complex user interfaces revolving around calendar, time, and queue-based social media scheduling.

Education

B.S. in Computer Science at The University of Massachusetts at Amherst – Spring 2022

Skills

Tools: git, docker, UNIX **Infrastructure**: AWS, Kubernetes, CI, ETL **Languages**: Scala, JVM, Ruby, Go, Rust, Java, Javascript, SQL **Tech**: IP4, UDP/TCP, DNS, TLS **Frontent**: React, jQuery