Nicole Yee

Software Engineer

SKILLS

Ruby (Rails, RSpec)   Javascript (jQuery)   AWS (S3, SQS)   Pair Programming   OpenAPI Specification
HTML/CSS (SASS)   SQL (Postgres)   TDD   Git   Sidekiq/Redis   CircleCI   Bugsnag   Honeycomb

---

EXPERIENCE

Mode *- Software Engineer* **Sept 2019 - Present**

*A data analytics platform built in **Rails** and **Angular** w/ microservices in **Go** and **Java***

Software Engineer (Tech Lead) May 2019 - Present

- Designed and built a new 'batch' API capable of returning ~250,000 records per endpoint with a median response time **consistently below the ~3s SLO**
- Implemented **bearer authentication** for new 'batch' API endpoints, initiating the transition from basic auth to bearer auth for all external API endpoints
- Improved internal "API documentation generator" tool to automatically generate documentation for new endpoints with example requests and responses
- Worked with Data Science to send analytics events with more accurate and detailed metadata
- Led post-milestone retrospectives with larger cross-functional team
- Served as escalation point for customer issues during beta testing

Software Engineer (Backend SAAS Platform)

- Fixed **critical CVEs** by upgrading the Rails monolith's dependencies (e.g. **AWS SDK**)
- Coordinated the deploy of major dependency upgrades with minimal customer downtime
- Gave presentations at engineering team meetings to share technical knowledge with teammates
- Improved **CircleCI** build, test, deploy process, by identifying and fixing flakey tests, saving ~10 hours of engineering team time per week in test re-run time
- Participated in the **on-call rotation and incident postmortems** to manage alerts on pager duty and resolve production issues
- Enhanced system-wide observability (**Honeycomb**) by including sanitized database queries to investigate and fix inefficient database queries and improve system performance

Amitree *- Software Engineer, R&D* **June 2017 - Aug 2019**

*'AI'-powered workflow assistant built in **Rails** and **Ember.js***

- Built the **data pipeline** connecting our Google Chrome extension to our Machine Learning models empowering our users to do more of what they do best while the machine does the tedious work
- Scaled our web application from a product with **3,000** daily users **to 65,000 daily users**
- Built paywalls and integrated our product with the **Stripe API**, transforming our free product into a **SAAS product with a $100,000 MRR in just over 13 months**
- Transitioned the build, test, deploy process from an internal deploy tool to use **CircleCI** with **Docker**
- Implemented a stricter **AWS S3 bucket** policy to ensure our data remains secure and confidential

Roostify *- Developer* **April 2016 - June 2017**

*Online mortgage software built in **Rails** and **vue.js***

- Improved cross-browser compatibility to include IE, Edge, Safari, and Firefox in addition to Chrome
- Enhanced site wide accessibility to meet **WCAG 2.0 Standards** by adding support for screen readers (**JAWS, NVDA, VoiceOver**) and allowing keyboard-only users to navigate the website
- Built and deployed a microservice (**Node.js, AWS Lambda**) for downloading user tax documents
- Created new **API** in **Ruby (Sinatra)** to ingest and parse tax PDFs for pertinent information
- Refactored legacy code and tests to **improve CI build time by 36%** (from 15 minutes to 11 minutes)

EDUCATION

University of California, Berkeley *- Mechanical Engineering*