

# Tim Martin

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## Skills

Languages	Python, Javascript, Java + Spring, shell, SQL, HTML, CSS
Technologies	HTTP, Containerization, Async Programming, Git
Cloud	AWS, GCP, Instances, Virtual Networking, Message Queues, Role-Based Authorization
Web	React, Django, Sass, Static Site Generators, Visualization Libraries, Toolchains
Data Stores	MySQL, Postgres, Redis, SQL, Managed Solutions
Dev Ops	CI/CD, Secret Management, Alerting, Performance/Load Testing, TLS, DNS

## Experience

**Raid Stats** *Project Developer* Austin, TX *December 2019 - April 2020*

- Designed virtual currency analysis web app for Twitch game streamer with average 300 concurrent users.
- Wrote asynchronous IRC bot in Python to monitor gold transactions, persisted events to GCS BigQuery, GitLab CI/CD on hourly schedule to rebuild user-facing Hugo site.
- Visualized "gold" economy with stock charts from Highcharts.

**RetailMeNot** *Software Engineer* Austin, TX *June 2015 - January 2019*

- RxSaver - Offers discounts on prescription drugs
  - Pipelined prescription drug data from a 3rd party with Spring Batch.
  - Pushed infrastructure to Google Cloud, one of the first company projects to do so.
- Loyalty Card Service - Clips digital coupons to user loyalty cards for in-store savings.
  - Built digital coupon data models and ingestion jobs for RMN content management system.
  - Worked closely with vendor over many months to discuss product features, API usage, and support.
  - Allowed user and card registration and coupon clipping with service-to-service API.
  - Automated test runs, Docker image builds, and ElasticBeanstalk deployments on TeamCity.
- Promotion Service - Issues single-use promotional codes to users from internal and external sources
  - Prefetched 3rd-party codes into Redis cache.
  - Dockerized Java application for ElasticBeanstalk on multiple environments.
  - Blueprinted application with CloudFormation, implemented zero-downtime deployment for build agents.
  - Load-tested to ensure robustness through peak holiday times.
- Einstein - Manages email and push campaigns for marketing team
  - Produced personalized emails from paid, curated and machine-learned content for daily ~6MM users.
  - Designed welcome push implementation, a campaign to onboard users to phone app over a series of days.
  - Exposed API for service-to-service and web application consumption.
- Mentored 3 employees. Attracted intern to team with pitch and guided through summer project.

**Yelp** *Software Engineering Intern* San Francisco, CA *Summer 2013*

- Wrote Gossip, a pub/sub tool that emitted SNS messages to SQS queues.
- Fed impression and click events into ElasticSearch.
- Gained experience with online advertising models (CPC, CPM, and others).

## Education

**Georgia Institute of Technology** *B.S. Computer Science* Atlanta, GA *Graduated May 2015*

- Information Internetworks and Systems & Architecture Specialization
- GreyHat InfoSec Club Staff