

# Tim Martin

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## Skills

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

## Experience

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**Raid Stats** *Project Developer* Austin, TX 2019 - 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 and persisted events to GCS BigQuery.
- Automated hourly Hugo static site build with GitLab CI/CD on hourly schedule.
- Visualized "gold" economy with stock charts from Highcharts.

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

- RxSaver - Offers discounts on prescription drugs
  - Pipelined prescription drug data from a 3rd-party API with Spring Batch.
  - Expanded company infrastructure hosting into Google Cloud.
- Loyalty Card Service - Clips digital coupons to user loyalty cards for in-store savings
  - Modeled digital coupon data 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 one-time-use promotional codes to users
  - Prefetched 3rd-party codes into Redis cache for fast retrieval.
  - 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 mobile 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 new full-time and intern employees through collaboration, weekly check-ins and technical guidance.

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

- Ingested CPC and CPM events, triggered SNS messages, and queued in SQS for consumers such as Elasticsearch.
- Wrote Gossip, a pub/sub tool that emitted SNS messages to SQS queues.

## Education

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

- Information Internetworks and Systems & Architecture specialization
- GreyHat InfoSec Club staff

## Interests

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- Gardening, fermentation, cooking, weightlifting, Spanish language
- Woodworking business providing gardening bed frames from CAD models