

EXPERIENCE

- **Fender Musical Instruments**

Senior Software Engineer

Hollywood, CA

2019-05-06 - 2020-05-15

- Led conversion of backend from a 3rd party lambda to a native Go lambda
- Helped design and implement a new version of our curriculum backend
- Built a parser to convert MusicXML to an internal JSON format
- Rearchitected the progress backend to handle changing content structure
- Golang, Javascript, React, Lambda, DynamoDB, Postgresql, Elasticsearch

- **i.am+**

Software Engineering Manager

Hollywood, CA

2018-10-01 - 2019-05-04

- Led the planning and execution of all US-based infrastructure
- Worked with offshore QA and Engineering teams to pursue mutual goals
- Organized deployment of microservices on a Kubernetes platform

- **i.am+**

Senior Software Engineer

Hollywood, CA

2016-08-22 - 2019-05-04

- Built several highly scalable services for a music streaming platform
- Optimized elasticsearch for voice-first search on a music knowledge base
- Designed a fast automated pipeline to ingest of GBs of nightly music data
- Built a service for managing smartwatch registration and preferences
- Golang, gRPC, Docker, Postgresql, Elasticsearch, Redis, Neo4j, Ruby

- **goSeek**

Software Engineer

Los Angeles, CA

2015-03-01 - 2016-03-01

- Built a central API for booking hotel stays through multiple 3rd party APIs
- Worked with caching large volumes of hotel searches and results
- Ruby On Rails, Redis, Memcached, Postgresql w/ PostGIS

- **TrackR**

Software Engineer (Consultant)

Santa Barbara, CA

2014-09-01 - 2015-02-01

- Built a management tool for users to manage their Indiegogo orders
- Ruby On Rails, Postgresql, ActiveAdmin

- **resound.fm**

Co-Founder / Lead Backend Engineer

San Luis Obispo, CA

2014-03-01 - 2015-03-01

- Designed and implemented data models, built APIs, managed DevOps
- Ruby On Rails, Redis, Websockets, Postgresql, Chef, Rackspace

- **RadPad**

Software Engineer

Santa Monica, CA

2014-01-01 - 2014-03-01

- Redesigned the backend apartment aggregation service to be 3x faster
- Designed and implemented a realtime messaging service with PubSub
- Ruby On Rails, Postgresql, S3

- **Project Gigit**

Software Engineer (Consultant)

Los Angeles, CA

2013-10-15 - 2013-12-15

- Built a service using concert data to help promoters identify band bookings
- Ruby On Rails, Facebook API, Postgresql

- **Down**

Software Engineering Intern

San Francisco, CA

2013-06-01 - 2013-10-01

- Built a Neo4j graph and API v2.0 for match discovery on 1.3m users
- Ruby on Rails, Neo4j, Postgresql

EDUCATION

- **Cal Poly Pomona** Pomona, CA
Computer Science (Incomplete) 2011-09-15 - 2015-02-01

PROJECTS

- **resume-exporter**: A Go tool for exporting the JSONResume format to LaTeX
- **kylelucas.io**: My personal website, built in TypeScript with react.
- **plex-lametric**: A Go webserver for showing Plex data on a LaMetric Clock
- **cyberpower-exporter**: A Go Prometheus exporter for the Cyberpower UPS line
- **discord-lametric**: A Go daemon for pushing Discord Notifications to a LaMetric Clock
- **speedtest**: A Go package for running tests against speedtest.net

VOLUNTEER WORK

- **PolyFounders** 2015-01-01 - 2015-06-01
Speaker
- **HackPoly 2017** 2017-02-18 - 2017-02-21
Mentor + Judge

AWARDS

- **Eagle Scout** 2011-08-01
BSA

SKILLS

- **Development**: Golang, Ruby, Bash, Postgresql, Elasticsearch, Neo4j, Redis, InfluxDB
- **Tooling**: Docker, Kubernetes, Prometheus, Traefik, Grafana, Helm, Spinnaker