

## EXPERIENCE

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- **Fender Musical Instruments**  
*Senior Software Engineer*  
Hollywood, CA  
2019-05-06 - 2020-05-15
  - Lead 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
  - Lead 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

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

## PROJECTS

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- **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

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

## AWARDS

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

## SKILLS

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