

Nick Ginther

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EXPERIENCE

Software Engineer - FullStory (Austin, TX)

Apr. 2022 - Present

- Maintaining one of the largest Solr deployments in the world at a high level of availability and performance by writing Go services to automatically split and redistribute shards

Software Engineer – IBM Cloud (Austin, TX)

Feb. 2021 – Apr. 2022

- Doubled customer available network bandwidth by writing Go services deployed in a Kubernetes microservice framework to enable a server to use two or more physical network interface cards
- Increased fleet hardware utilization by updating the virtual machine scheduling service written in Go to match physical server attributes to configurable discrete hardware profiles

Software Engineer – IBM Systems (Austin, TX)

Jun. 2018 – Jan. 2021

- Enabled 5+ teams access to 14 days of back-data flowing from Kafka at 170 events/second into IBM Cloud Object Storage by writing a clustered Kafka consumer using Node.js, Docker, and managed IBM Cloud servers (AWS EC2 equivalent).
- Increased stability of an internal messaging system by creating an automated regression test system using Travis CI, Node.js, and OpenWhisk cloud functions.
- Led a team of 7 new developers through the process of creating an award winning prototype visual recognition app aimed at assisting users who are deaf or hard of hearing.

Software Engineering Intern – ClearBlade (Austin, TX)

Feb. 2018 – May 2018

- Automated hardware bringup and test environment configuration over many different Linux distributions through systemd and init.d scripts.
- Increased client knowledge and faith in the product by working on a hardware performance testing and visualization framework.

PROJECTS

GO-8 (CHIP-8 Emulator): An implementation of the CHIP-8 hardware spec in software. Fully functional and runs most CHIP-8 programs with display and sound output. Uses Go channels to control clock speed and timer frequencies.

- **Technologies:** Go

Playlistr: A music database web application (similar to IMDB) that aggregates music data from multiple sources including Spotify, Last.fm, and iTunes and presents it in an intuitive, responsive way.

- **Technologies:** Python, JavaScript ES6, Flask, React, PostgreSQL, GCP

EDUCATION

The University of Texas at Austin, Austin, TX

Aug. 2014 – May 2018

Bachelor of Science in Computer Science - 3.6/4.0 GPA

ORGANIZATIONS & ACTIVITIES

Mentor

CoderDojo

Aug. 2015 – Dec. 2015; Sept. 2016 – Dec. 2016

Mentored kids with an interest in technology and specifically programming 1-2 times a month. Taught and assisted mentees in learning Scratch, Android App Studio, and JavaScript.

SKILLS

Languages

- **Proficient:** Go, JavaScript ES5+ (Node.js, React), Python, Bash
- **Exposure to:** C++, Rust, C, SQL

Technologies

- **Proficient:** Kubernetes, Docker, NoSQL (Cloudant, CouchDB), Kafka, Cloud tech (OpenShift, CloudFoundry)
- **Exposure to:** RDBMS (Postgres, SQLite)