

# Gabriel Ochoa

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## Squarespace

Engineering Manager | Compute & Traffic Infrastructure | New York, NY | December 2020 - Present

- Lead 17 engineers across 4 disciplines (Compute, Traffic, Storage, Data Center)
  - 2 team leads (responsible for people) and 3 tech leads (responsible for technologies) across the 4 disciplines
- Managed capacity planning and procurement process for Squarespace data centers and public cloud
- Founding member of the One Platform initiative to make all Squarespace Infrastructure products look and feel like one
  - Initiative to abstract on-prem and cloud infrastructure for our end users
  - Provide a seamless API to allow for quick prototyping of ideas across engineering

## Squarespace

Engineering Manager | Traffic Infrastructure | New York, NY | October 2018 - December 2020

- Started a new team of 5 to manage, grow, and develop Squarespace's edge infrastructure.
  - Help the team build a charter, values, and operating processes that kept everyone informed while allowing for autonomy
  - Mentored engineers on the team and across the organization
- Led re-write of the core edge load balancer, shipping in 8 months from problem identification to 100% completion
  - This project reduced the time it takes to make a secure connection times to squarespace by 5x
  - Allowed for better visibility and horizontal scaling of the edge infrastructure
- Main point of contact for Lets Encrypt and other 3rd party partners
- Managed relationship and work items for regulatory compliance with the team
- Product owner and project manager: planned and organized the work for the team

## Squarespace

Senior Site Reliability Engineer (SRE) / Team Lead | New York, NY | August 2017 - October 2018

- Led a team of 7 engineers in launching, getting organization buy-in, and migrating 3000 VMs owned by 15 teams to a new internal compute platform. The new platform replaced the software runtime, metrics, alerting, and CI/CD layers of the Squarespace stack
- Created team charter and led agile development processes for the SRE Compute team
- Created and led Kubernetes 101 and 102 training courses for 100+ engineers
- SRE Lead for launch of a new billing system; started SRE Partner program
- Participated in Team and Incident Commander 24/7 on-call rotations

Site Reliability Engineer | Flextronics | New York, NY | December 2015 - August 2017

- Created AWS-hosted Kubernetes clusters and migrated all applications from Heroku
- Participated in Design Thinking workshops and user story sessions
- Built internal product for creating micro-service infrastructure by developers
- Was on-call for and supported 18 micro-services and underlying infrastructure
- Designed and built a fault-tolerant logging and metrics pipeline
- Developed and championed SRE culture/practices across engineering organization

## Wink

- Technical product expert for integration of Amazon Echo, Nest, Schlage Locks, and many ZigBee and Z-Wave products into the Wink platform.
- Researched new and emerging smart home technologies (LoRoWan, BLE Beacons, etc)
- Led vendors and manufacturers in Asia through final stages of development and testing of ZigBee, Z-Wave, and Bluetooth embedded devices
- Trained and helped launch a customer service center of 50+ employees
- Designed hardware and processes to refurbish 40,000 company products in 1 month

## Quirky

BlackOps Design Engineer | New York, NY | January 2014 - August 2014

- Prototyping specialist for CEO's personal four-member design team
- Demonstrated products to executives, retail buyers, and investors
- Constructed visual and functional prototypes for Quirky Aros and Wink Relay

## Frog Design

Design Technologist Intern | Austin, TX May 2013 - August 2013

## Skills

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### Software

Kubernetes | Prometheus | Containers | AWS | GCP | Linux | Go | Python | Ruby | Redis | Etcd | MySQL | Memcached | DynamoDB | CircleCI | Datadog | SumoLogic | Ansible

### Hardware

CNC/Manual Machining and Prototyping | Additive Manufacturing | Welding | Soldering | Wood/Metalworking | Solidworks | AutoCAD/Fusion 360 | HSMWorks | Pro-E/Creo

## Education

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Georgia Institute of Technology | B.S. Mechanical Engineering 2013

Manufacturing Processes | Machine Design | Prototyping | Product Design

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<https://github.com/gabe-choa/resume>