
LUKE ESPINA

luke.espina@gmail.com
San Francisco, CA

SKILLS

Frontend: JavaScript / Typescript, React, React Native, Electron, GraphQL (client-side), Swift/iOS
Backend: NodeJS, Java, gRPC, Google Cloud Platform, Microservices Architecture
DevOps: Kubernetes, Jenkins, Terraform, Helm

EXPERIENCE

Evernote, California

Senior Software Engineer

May 2018 – Present

November 2020 – Present

Prior: Software Engineer

- Lead efforts across multiple domains simultaneously: keeping server-side state in sync with 3rd party integration data in a scalable, resilient, and reliable way, and detecting and guarding against anomalous login attempts across all authentication endpoints
- Designed, developed & maintained backend components, documentation, monitoring / incident response playbooks for microservice projects supporting Notifications, Emails, and Experiments in service of a company-wide effort to decompose our monolith
- Lead engineering effort in the integration of a 3rd party marketing platform Iterable to enable blast/campaign-based push & in-app notifications system for our react native, web, & electron apps
- Designed & implemented offline-first system for transactional push notification messaging across all platforms in support of core feature launches
- Played a key role in experimentation efforts targeting company growth by developing various client-side changes in JavaScript & iOS Native application layers, including complete reworks of web checkout and mobile onboarding flows

Experimental Fluid Mechanics and Aerodynamics Lab, New York June 2014 – June 2016

Research Assistant

- Analyzed wind speed configurations for piezoelectric energy harvesters; digitized analog sensor readings from oscilloscopes & aggregated data: found more optimal setup leading to 15% increased power output.

NASA Armstrong Flight Research Center, California

June 2015 – Aug. 2015

NASA Student Airborne Research Program

- Applied machine learning algorithm (unsupervised classification) using ENVI/IDL geospatial software to study effects of 2015 Refugio Beach Oil Spill by analyzing oil movement and kelp health through ~100 gigabytes of remote-sensing data

PERSONAL PROJECTS

Sublime.js – 2-D physics engine

live: lukeespina.com/sublime

BassCase – Soundcloud-inspired music site

live: bass-case.herokuapp.com

EDUCATION

App Academy, New York City

Feb. 2018

Macaulay Honors College at City College of New York, CUNY

June 2016

B.Sc. in Physics, *magna cum laude*