

## EMPLOYMENT

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### Co-Creator, Software Engineer

### Mashr

January 2019 – Present

Case Study: <https://mashr-framework.github.io/>

- Presented my journey on building Mashr: <https://linusphan.github.io/>
- Researched and implemented best practices of building a data pipeline with monitoring, archiving, and failover.
- Built robust and easy-to-use CLI that abstracts away a lot of the complexities and lengthy sequences of API calls made to GCP services.
- Implemented user-friendly interface, which includes easy installation with npm, instructional templates made for a variety of data sources to pull data from, and more.
- Engineered the data extraction component to be hosted on a Docker container that is itself hosted on a Google Compute Engine (GCE) instance to build resilience against technological changes.
- Authored comprehensive white paper about engineering the Mashr framework.

### Full stack Engineer

### Freelance and Personal Projects

Feb 2018 – Present

Developed a variety of open source web applications using technologies such as JavaScript, Node.js, Ruby, Ruby on Rails, SQL, Linux, HTML, CSS, and React. These apps include:

- Lello: A trello-clone with React/Redux front-end and Rails back-end
- Postit: A social news and discussion application built using Rails, PostgreSQL, and JavaScript
- Airline Routes: An application built using React that allows users to view and filter airline routes
- Ticket Tracker: An application built using Ruby on Rails that tracks ticket issues and changes

## Languages and Technologies

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**Front End:** HTML, CSS, JavaScript, React/Redux, jQuery, Bootstrap

**Back End:** Javascript/Node.js, Ruby, Ruby on Rails, Sinatra, PostgreSQL, RESTful APIs, Docker

**Other:** Data Structures, Algorithms, Cloud computing, Google Cloud Platform (GCP), Google Compute Engine (GCE), Google Cloud Storage (GCS), Google Cloud Function, Google BigQuery, Google Stackdriver Logging, Git/GitHub, Linux

## MAJOR TRAINING

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### Launch School

2018 – 2019

A multi-year software engineer program.

## EDUCATION

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### Irvine, CA

### University of California, Irvine

Fall 2012 – June 2016

- Bachelor of Science: Biological Sciences, June 2016