

EMPLOYMENT

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
- Task Manager: A task management application built with Ruby and Sinatra for the backend and JavaScript, jQuery, and Handlebars.js for the frontend

Languages and Technologies

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

Launch School

2018 – 2019

A multi-year software engineer program.

EDUCATION

Irvine, CA

University of California, Irvine

Fall 2012 – June 2016

- Bachelor of Science: Biological Sciences, June 2016