Software Engineer
Los Angeles, CA

Linus Phan

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EMPLOYMENT

Co-Creator, Software Engineer   **Mashr**   **January 2019 – Present**

Case Study: https://mashr-framework.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 automated npm package dependency management, 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 built using React with Redux on the front-end and Rails on the back-end. It supports creating, editing, and deleting boards, lists, labels, due dates, and cards.
- 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

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), GCP Google Compute Engine (GCE), Google Cloud Storage (GCS), Google Cloud Function, Google BigQuery, Google Stackdriver Logging, Git/GitHub, Linux, Docker

MAJOR TRAINING

Launch School   **2018 – 2019**

A 1-2+ years core curriculum focused on software engineering first principles. Culminates in the Capstone program — an instructor-led, team-based program modeled after a university-level Master's program.

EDUCATION

Irvine, CA   **University of California, Irvine**   **Fall 2012 – June 2016**

- Bachelor of Science: Biological Sciences, June 2016