Jonathan Tseng

JavaScript · Python · Golang
AWS · Docker · Kubernetes · Git

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Experiences

Cogo Labs - Cambridge, MA
July 2020 - Present
Software Engineer
· Create ETL pipelines to ingest partner data from **AWS S3** using **Apache Airflow**
· Maintain business-critical email sending pipeline in **Python** and **PySpark**, processing more than 20M sends/day
· Build multi-threaded processes in **Golang** to dedupe partitioned data on S3
· Increase visibility of background processes by building alerts on **InfluxDB** queries using **Kubernetes CronJobs**

InsightSquared - Boston, MA
July 2019 - June 2020
Software Engineer Co-op
· Developed data visualization interfaces using **React** hooks and contexts
· Built onboarding process for new SaaS clients without engineering effort
· Incorporated **InfluxDB** and **Grafana** dashboards for better background visibility
· Designed mechanisms to prevent race conditions from concurrent API requests
· Created microservices triggered after ETL pipelines using **Celery** and **RabbitMQ**

SmarterTravel - Boston, MA
July 2018 - December 2018
Software Engineer Co-op
· Created web tools in **React** to help analysts launch dynamic ads on Facebook
· Improved performance of websites by reducing HTTP requests and re-renders
· Migrated existing codebases to serverless technologies such as **AWS Lambda**

Projects

Outtaink [A Voice for Students Studying Abroad]
August 2020 - Present
Co-Founder
· Launched a team of 5 to capture stories of students studying abroad, executing decisions across journalism, social media, and engineering focuses using KPIs
· Develop a **React** website built on **Gatsby** using design mockups from **Sketch**
· Integrate **headless CMS** platforms to reduce onboard complexity for journalists

Scout [A Student-Led Design Studio]
January 2019 - May 2019
Full Stack Developer
· Developed mobile application to help parents monitor children's asthma
· Prototyped a cross-platform mobile application in **React Native** and **Redux**
· Worked with medical professionals to test prototypes and evaluate usability