

Matt Lewis

Infrastructure Engineer | (612) 600-6907 | mplewis.com | matt@mplewis.com

WORK EXPERIENCE

Uplight

Site Reliability Engineer

January 2020 – present



- Led development of a unified deployment platform for internal feature development teams
 - Built automated, fully-managed CI/CD workflows with Terraform, CircleCI, and Kubernetes
 - Conducted user interview sessions with product teams to discover their operational needs
 - Supported teams directly in refactoring and containerizing their apps for cloud deployment
- Rewrote and refactored business-critical internal data pipelines to fit modern 12-factor practices
- Architected drop-in replacements for legacy apps that did not work well inside AWS
- Built metrics, dashboards, and alarming around time-sensitive and critical data workflows
- Designed internal processes and wrote docs to support peers in cross-cloud migration efforts

T-Mobile Home & Entertainment

Devops Engineer

December 2018 – December 2019



- Worked on the TVision streaming video product
- Migrated Node.js microservices from legacy EC2 AMIs into Kubernetes
- Managed zero-downtime migrations from AWS Route 53 routing to K8s internal service discovery
- Designed CI/CD pipelines to facilitate automated image updates and reliable deployments
- Refactored Kubernetes YAML objects into a universally-deployed Helm chart
- Created automated validations and smoke tests to ensure deployed K8s resources were always valid
- Designed and implemented automated functional smoke tests for partial system outage discovery
- Performed load testing to validate behavior of microservices and system resource constraints

Gusto

Software Engineer

February 2017 – December 2018



- Led projects to empower ops teams by building workflow management tools
- Reduced automated build flakes by 70% through collaboration with infra team
- Diagnosed root cause of data integrity issues and implemented systemic fixes
- Ran postmortems to capture impact of system outages and deliver actionable resolutions

Rachio

Technical Project Manager

July 2016 – December 2016



- Built and automated BDD testing for the legacy web app
- Designed product experiences using wireframes, prototypes, and user flow diagramming
- Performed user research and feature validation against real-world user populations

Punch Through Design

Product Developer

May 2013 – June 2016



- Designed, managed, developed, and shipped native mobile apps for the LightBlue Bean
 - Bean Loader for iOS: 400k downloads, 200 daily sessions, 5 stars in the App Store
 - Bean Loader for Android: 3.5k users, 4 stars in the Play Store
- Developed, deployed, and maintained cloud software to support the mobile apps
- Implemented TDD, CI/CD, static analysis, and code quality standards across the company

EDUCATION

University of Minnesota Twin Cities

B.S. in Computer Engineering

September 2010 – December 2014

