Matt Lewis

DevOps Infrastructure Engineer | mplewis.com | matt@mplewis.com | linkedin.com/in/mpvlewis

WORK EXPERIENCE

Chief Technical Officer
Monstera Consulting

December 2023 – Current

- Guided clients through SDLC: discovery, system design, implementation, and continued maintenance
- Built and deployed secure, isolated systems running on AWS, Kubernetes, Pulumi, and Terraform
- Designed bespoke solutions to solve each client's unique needs with industry-standard tools

Infrastructure Engineer
Material Security

September 2022 – October 2023

- Built massively-scalable, enterprise-grade email security software in full-stack TypeScript
- Designed systems to protect, inspect, and quarantine millions of Google/Outlook messages per day
- Led design, development, and maintenance of core infrastructure in Kubernetes and Google Cloud
- Integrated with core Google Workspace and Outlook 365 systems to build scalable security apps
- Served as IMOC during critical production outages and led mitigation and resolution processes

Lead Software Engineer (pro bono)
Women's Directory

April 2021 – present

- Women's Directory is a 501(c)3 nonprofit that provides access to critical resources for women in need
- Built the core Rails application and designed the site's infrastructure and core user experience
- Implemented features for community submissions, internal moderation, and data management
- Designed and shipped our custom analytics backend to maximize the privacy of vulnerable users

Site Reliability Engineer
Uplight

January 2020 – September 2022

- Led development of a unified deployment platform for internal feature development teams
- Built automated, fully-managed CI/CD workflows with Terraform, CircleCI, and Kubernetes
- Rewrote and refactored business-critical apps and data pipelines for modern cloud deployment
- Built metrics, dashboards, and alarming around time-sensitive and critical data workflows

DevOps Engineer
T-Mobile Home & Entertainment

December 2018 – December 2019

- 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
- Performed load testing to validate behavior of microservices and system resource constraints

Software Engineer
Gusto

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

Product Developer
Punch Through Design

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

September 2010 – December 2014

B.S. in Computer Engineering