Alex Meddin

meddin.alex@gmail.com

Los Angeles, CA

🌐 alex-meddin.com
github.com/ameddin73
linkedin.com/in/alex-meddin

Experience

Tanium

Tanium is an IT operations platform used by the world's largest organizations. With Tanium Cloud, I build and operate highly-available, distributed services and infrastructure to monitor and manage hundreds of millions of endpoints globally.

`Staff Software Engineer`   `March 2022 – Present`

- Cut download times by 10x for millions of clients with a petabyte-scale global CDN and file storage service. Built on Azure with Kubernetes, Golang, and gRPC.

- Eliminated more than 100 petabits/month of egress by writing an ultra-high performance gRPC streaming service in Golang that intelligently caches and deduplicates terabytes of customer data using securely signed hashing algorithms.

- Identified and saved over $1 million annually in AWS costs by right-sizing RDS databases and replacing expensive VPC endpoints with secure proxies. Accomplished with AWS API, Python data analysis, and Terraform.

- Moved thousands of thick EC2 VMs to horizontally-scalable Kubernetes workloads.

  - Azure Kubernetes Cluster Management with Terraform.

  - High-availability for stateful workloads using Vertical Pod Autoscalers, redundant persistant volumes, and highly-available node topology.

  - Automated TLS and DNS configuration for AWS Route 53 with Kubernetes External-DNS.

  - Provisioning of Azure cloud resources like managed Postgres and CDN Profiles via Kubernetes CRDs and Pulumi operators.

- Mentor, document, root cause and fix on-call issues, build CI/CD pipelines and tooling, and other leadership responsibilities.

IKEA

IKEA US Digital is the first and only digital footprint for IKEA in the United States. I founded and lead the backend services and operations team to streamline operations in stores across the world.

`Senior Software Engineer | Tech Lead`   `August 2020 – March 2022`

- Shortened wait times for customers picking up online orders at IKEA stores 30% by integrating previously separate ticketing and order details systems in a Java/Spring Boot microservice hosted in Google Cloud Kubernetes (GKE).

- Boosted order-picking efficiency as lead developer for a modern Java/Spring Boot-backed Typescript and React mobile app.

- Fostered inclusion & diversity by founding a DEI committee, offered 1:1 technical mentoring, and served as tech lead on a team of 8.

Fidelity Investments

`Software Engineer`   `June 2017 – August 2020`

- Improved marketing team productivity by designing and implementing an AWS-hosted Java and Spring Boot REST content tagging service.

- Enhanced millions of customer records by developing and deploying Spring Batch jobs to transform and enrich data.

Projects and Non-Profits

How-AI

`Personal Project`   github.com/ameddin73/how-ai

- Generate CLI commands and code snippets from natural language right in your terminal.

Co-founder, Club Sandwich

`Non-Profit`

- Served the community by making and delivering over 40k meals to during COVID-19.

- Recruited, trained, and organized between 10-30 volunteers on a weekly basis.

Education

Rochester Institute of Technology

`BS Computer Science`   `May 2018`

- Minor in Chinese Language.

Skills

Cloud Engineering | Microsoft Azure | Google Cloud Platform (GCP) | Amazon Web Services (AWS) | Kubernetes | Docker gRPC | REST | Go/Golang | Java | JavaScript | Node.js | Terraform | SQL | RDBMS | Postgres | noSQL | Git | CI/CD GitHub Actions | Helm | Linux/Unix | Networking | Cloud Security | TLS | mTLS | DNS | CDN (Content Delivery Network) Distributed Systems | Automation | Workload Orchestration | Microservices | DevOps | Mentoring | Technical Analysis Innovation | Documentation | Collaboration