

Experience

Tanium

Tanium is an IT operations platform used by the world's largest organizations. At Tanium Cloud, I build and maintain planet-scale services and infrastructure to connecting hundreds of millions of endpoints globally.

Staff Software Engineer

March 2022 - Present

- Customers can patch their fleet of millions of endpoints in hours now instead of days thanks to a petabyte-scale global CDN I built that delivers data faster and cheaper.
- Took multiple services from untracked to 99.95% availability by designing metrics & alerts, and introducing internal SLAs to coordinate dependencies between teams.
- Eliminated more than 100 petabits/month of egress by writing an high performance gRPC streaming service in Golang that caches and deduplicates terabytes of shared customer data.
- Proactively identified and saved over \$1 million in annual cloud costs by right-sizing RDS databases and replacing expensive VPC endpoints with secure proxies.
- Migrated thousands of costly EC2 VMs to horizontally-scalable Kubernetes workloads.
- Eliminate thousands of hours of management work with a suite of software that automates deployment of compute, networking, storage and configuration for varied customer environments.

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.

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