# Alex Meddin

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## 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 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 created to deliver data faster and cheaper.

- Eliminated more than 100 petabits/month of costly 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 without compromising stability by right-sizing RDS databases and replacing expensive VPC endpoints with secure proxies.

- Unlocked a new market of newly-viable small business customers worth millions in ARR by converting thousands of costly EC2 VMs and private networks to horizontally-scalable Kubernetes workloads and shared service meshes.

- Empowered dozens of engineering teams to deploy new infrastructure rapidly by building Kubernetes operators equipped with Pulumi that provision cloud resources from simple native Kubernetes API specs (CRDs).

- Saved hundreds of developer hours and frequent outages by decoupling previously monolithic infrastructure as code projects so multiple teams could release on their own schedules.

### 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.

- Provided 1:1 technical mentoring for engineers, and served as tech lead on a team of 8. Responsible for design, prioritization, and code review.

### 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. Think Copilot chat - but I did it first!

### Co-founder, Club Sandwich

**Non-Profit**

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

## 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 │ Helm │ Pulumi Kubebuilder │ Git │ CI/CD │ Jenkins │ GitHub Actions │ Linux/Unix │ Networking & OSI Model │ Cloud Security mTLS & Certificate Management │ DNS & Route 53 │ CDN (Content Delivery Network) │ Distributed Systems │ Automation Workload Orchestration │ Microservices │ DevOps │ Mentoring │ Technical Analysis │ Innovation │ Documentation Collaboration