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Experience

Tanium
Senior Software Engineer   March 2022 – Present

- Cut file download times by **10x** for **millions of clients** and saved **thousands of TB** in storage and with a **petabyte-scale** global CDN fronted by a **Golang gRPC** service that securely deduplicates customer files and backed by **Azure Storage** and horizontally-scaled **Front Door CDN** instances.
- Saved over **$1 million** annually in **AWS** costs by **right-sizing** databases, and replacing expensive VPC endpoints with secure proxies.
- Architected infrastructure to move **hundreds of millions** in cloud business from thick **EC2** VMs to horizontally-scalable **Kubernetes** workloads including:
  - Kubernetes **Cluster Management**.
  - **TLS** provisioning for dynamic ingresses.
  - Automated **DNS** configuration for **Route 53**.
  - **High-availability** for **stateful workloads**.
- Drive reliability and productivity by building **Jenkins** and **Github Actions** deployment pipelines, **automating** common workflows, monitoring with **Prometheus** and **Grafana**, and taking **ownership of major problem spaces**.

IKEA
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**, offering 1:1 **technical mentoring**, and serving as **tech lead** 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

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