

## Experience

### Tanium

Senior Software Engineer

March 2022 – Present

- Accomplished a storage reduction of **thousands of TB** by creating a **Golang**-based **gRPC** service that deduplicates and securely moves enterprise tenant data to **Azure Storage**, serving millions of daily clients.
- Boosted **scalability** and **reliability**, saved millions in infrastructure and support costs, and **cut development loops** from hours to minutes, by **eliminating state** from the legacy Tanium platform and migrating to **Kubernetes**.
- Reduced **AWS** cloud infrastructure cost by over **\$1 million** annually by leading a **right-sizing** initiative and replacing VPC endpoints with secure proxies.

### IKEA

Senior Software Engineer | Tech Lead

August 2020 – March 2022

- Shortened customer pick up times more than **30%** with a **GCP**-hosted, **Java**-powered notification service.
- Boosted stock-picking efficiency and delivered a modern employee experience by designing and developing a full-stack solution that includes a **GCP**-hosted **Java** backend for machine learning-optimized routing and a modern **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 **AWS**-hosted **Java Spring Batch** jobs to transform and store data.

## Projects and Open Source

### Grade Ape

B2C SaaS

gradea.pe

- Grade Ape saves time for busy teachers with AI grading tools. Powered by **GPT-4**, **React**, **Next.js**, and **Firebase** and written in **Typescript**.

### How-AI

Personal Project

github.com/ameddin73/how-ai

- Generate CLI commands and code snippets from natural language right in your terminal.
- Powered by **Azure Functions** and **GPT-3.5**.

### Co-founder, Club Sandwich

Non-Profit

- Served over **40k** meals to community members during COVID-19.

## Education

### Rochester Institute of Technology

BS Computer Science

May 2018

- Focus on **Programming Language Concepts**.
- Minor in **Chinese Language**.

## Skills

Cloud Engineering | Microsoft Azure | Google Cloud Platform (GCP) | Amazon Web Services (AWS) | Kubernetes | Docker | Redis | gRPC | REST | Go/Golang | Java | JavaScript | TypeScript | Node.js | Next.js | Terraform | SQL | RDBMS | Postgres | Hibernate | noSQL | Firestore | Git | GitOps | CI/CD | Auto Delivery | GitHub Actions | Unit Testing | Docker | Helm | Linux | Networking | Distributed Systemd | DevOps | Mentoring | Technical Analysis | Innovation | Documentation | Collaboration | Vim | Improv Comedy | Motorcycling