

Experience

Tanium

Senior Software Engineer

March 2022 - Present

- Cut more than **\$1 million** in annual **AWS** spend by right-sizing compute instances and identifying unused services.
- Reduced per-tenant storage by **1,000s of GB** with a **Go gRPC** service that moves and dedupes customer data into shared **Azure Storage** with a global **CDN**.
- Anticipating annual savings of **millions of dollars** in infrastructure and support costs by migrating the full Tanium platform from single-tenant **AWS EC2** instances to multi-tenant **Azure Kubernetes** clusters.

IKEA

Senior Software Engineer | Tech Lead

August 2020 - March 2022

- Shortened customer pick up times more than **30%** with a **GCP**-hosted **Java** and **Spring Boot REST** notification service.
- Increased coworker efficiency by creating a **GCP**-hosted **Java** and **Spring Boot** backend to support ML route planning.
- Modernized the coworker store experience in a **Typescript** and **React** mobile app.
- Shortened deployment times by **days** by writing **GitHub Actions** and templating **Kubernetes/Helm** manifests.
- Fostered **inclusion, diversity**, and coworker growth by founding a **DEI committee** in addition to 1:1 **technical mentoring**.

Fidelity Investments

Software Engineer

June 2017 - August 2020

- Improved customer experience with an **AWS**-hosted **Java** and **Spring Boot REST** content tagging service.
- Normalized **millions** of customer records by deploying **AWS**-hosted **Java Spring Batch** jobs.
- Automated complex coworker tasks and enhanced customer experience by creating **Java Spring Boot** backend, **Angular** frontend web apps.

Club Sandwich Non-Profit

Board Member

May 2020 - Present

- Served over **40k** meals to community members during COVID-19.
- Practice radical empathy by building strong communities and increasing access to life-saving resources.

Projects and Open Source

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 **OpenAI GPT**.

Distro PHL

Personal Project

github.com/ameddin73/distro-phl

- Classifieds for free community resources powered by **React** and **Firebase** and written in **Typescript**.

Personal Site

Personal Project

github.com/ameddin73/personal-website

- Ultra-light **HTML** + vanilla **JavaScript** website showcasing projects, skills, and experience.

AWS Terraform Provider

Open Source

github.com/hashicorp/terraform-provider-aws

- Extended the **Terraform AWS Provider** to better manage **AWS Kinesis Firehose** resources.

Education

Rochester Institute of Technology

BS Computer Science

May 2018

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

Skills

Kubernetes | Microsoft Azure | GCP | AWS | gRPC | REST | Go/Golang | Java | JavaScript | TypeScript | Node | React | Angular | Express.js | Spring Framework | HTML 5 | CSS | Terraform | SQL | Postgres | noSQL | Firestore | Git | GitOps | GitHub Actions | Unit Testing | Docker | Helm | Multi-Cloud | Linux | Networking | Systems Engineering | Automaton | Agile | Scrum | Kanban | Mentoring | Collaboration | Improv Comedy | Motorcycling | Vim