

# KARIM HASSAN

## Software Engineer

## ABOUT ME

Software Engineer with 3 years of experience in the Fintech industry, focused on building scalable, reliable, and high-impact systems. I've helped modernize large-scale trading platforms, designed and deployed microservices, and implemented robust testing pipelines. I value clean architecture, cross-functional collaboration, and continuous learning.

## CONTACT

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🌐 [github.com/CodingwithKarim](https://github.com/CodingwithKarim)

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🌐 [codingwithkarim.github.io/dev-portfolio/](https://codingwithkarim.github.io/dev-portfolio/)

## EXPERIENCE

### Associate Software Engineer

SS&C Eze Software | April 2022 – November 2024

- Led UI modernization efforts by migrating legacy WinForm user interfaces to DevExpress, including a critical trade ticket used daily by traders.
- Developed gRPC-based microservices to replace legacy client-side SQL
- Contributed to legacy platform modernization by transitioning WCF-based communication to gRPC microservices.
- Authored SQL Server scripts to support complex trading workflows and CRUD operations across microservices.
- Created unit and integration tests to validate business logic, database interactions, and client-service data integrity.
- Partnered with QA & DevOps to ensure smooth delivery of stable, maintainable features.
- Refactored key OMS features including swap tickets, accrued interest logic, and trade allocations to support accurate trade capture and compliance standards.

### Software Engineer

Resilient Coders | August 2021 – February 2022

- Created full stack web applications using multiple languages & packages
- Maintained a detailed git history for all projects while collaborating on Github
- Built dynamic web applications using HTML, CSS, and JavaScript.

## TECH SKILLS

### Languages:

TypeScript, JavaScript, C#, SQL, Go, Python

### Framworks & Libraries:

Node.js, React.js, Microsoft .NET, Gin, Express

### Databases:

SQL Server, MySQL, SQLite, MongoDB

### Testing:

React Testing Library, .NET Unit Testing  
Microservice Integration, Regression Testing

### Tools & Technologies:

Git, Docker, Jenkins, WCF, gRPC, Bash

## EDUCATION

### Fitchburg State University

Exercise Sports Science - Clinical Physiology | 2016 - 2020