

## SUMMARY

- 5 years of industry experience emphasized on server-side development with C# and Java
- Frameworks/Platforms: ASP.NET, Spring Boot, NodeJS
- DevOps: Azure, AWS, Azure DevOps, Jenkins, Git, Gradle, Maven
- Database: CosmosDB, MySQL, Redis, PostgreSQL, MongoDB, Kusto
- Others: Cyber Security, RESTful API, C, Linux OS, HTML, CSS, GitHub

## EXPERIENCE

### Software Engineer II, Microsoft

Redmond, WA • April 2019 – Present

- Built and continued to improve the intrusion detection system to monitor the OneDrive and SharePoint server fleet and collect telemetries to promptly perform security incident response.
- Engineered a scalable data processing microservice to decouple event producing and data processing logic while achieving real-time alert generation.
- Designed and implemented a framework to enable anomaly detection on various data sources using Redis HLL.
- Integrated custom-built security catalog derived from Software Bill of Materials (SBOM) in CI pipelines and deployed them to production servers to enhance system security and operational safety.
- Conducted weekly security reviews new and existing software systems and services.

### Software Engineer, Quicken Loans (RocketHQ/QuP)

Detroit, MI • December 2017 - April 2019

- Designed, developed, and optimized APIs for Single Sign-On and core features on the next-generation platform backend applications using Java, Spring Boot, Hibernate, MySQL and AWS.
- Engineered and integrated APIs with the existing SSO application for partner integration. Optimized code logic to support multi-operation with single API call and implemented associated database.
- Improved Jenkins deployment build scripts. Added application versioning and eliminated operation error caused by inconsistency between different deployment stages.
- Refactored automation test in Java with TestNG and improved API documentation experience using Swagger.

### Software Developer, Quicken Loans (Amber Engine)

Detroit, MI • May 2017 – December 2017

- Innovated and collaboratively engineered an auto-triggering AWS Lambda pipeline which made large-data Excel conversion fast, convenient, and scalable. Reduced process time by 4X.
- Automated code deployment and build process using CI tools resulted in 50% of deployment time reduction.

## EDUCATION

### Master of Science: Computer Science

Georgia Institute of Technology

May 2022

4.00/4.00

### Master of Science: Electrical Engineering

University of Texas at Dallas

Dec 2015

3.55/4.00

### Bachelor of Science: Electrical Engineering

State University of New York at Binghamton

May 2013

Major GPA: 3.61/4.00