

# Yong Gu

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## Summary

10+ years IT professional with experience through the full-life cycle of software development, in both IT-consulting and business system development contexts. Experience includes: gathering requirements; technical specification; system design; detail design; coding; integration; documentation; testing; deployment; and maintenance.

Strong work ethic, with experience delivering systems on time, working either in a team environment or individually.

## Experience

### JPMORGAN CHASE

Senior Software Engineer • 08/21 - Present • New York, NY

- Designed, developed, and deployed scalable Java-based backend services utilizing Spring Boot, RESTful APIs, and Apache Kafka, improving system performance and reliability.
- Enhanced real-time system monitoring, troubleshooting, and performance optimization by integrating Splunk, Grafana, and Dynatrace, significantly reducing downtime and improving issue resolution speed.
- Implemented robust CI/CD pipelines using BitBucket, Jenkins, and SonarQube, streamlining development cycles and increasing deployment frequency by 30%.
- Wrote and maintained comprehensive unit and integration tests using JUnit and Mockito, resulting in improved software quality and reduced defect rates.
- Collaborated closely with Product Owners and QA teams to establish and execute effective test strategies, ensuring timely and high-quality feature releases.
- Actively engaged in Agile Scrum processes, consistently delivering project milestones on time and within scope.
- Led key cloud initiatives, enhancing scalability, performance, and cost-efficiency of enterprise software solutions on AWS infrastructure.
- Acquired AWS Certification, demonstrating advanced proficiency with AWS cloud services and best practices in cloud architecture and infrastructure management.

### VALUELINE, INC

SOA Engineer II • 07/13 - 08/21 • New York, NY

- Developed and implemented scalable, microservices-based backend systems using C#, WCF, and SQL databases, successfully migrating legacy data to modern platforms.
- Engineered robust log and event monitoring systems, incorporating automatic email alerts and intuitive process/event dashboards, significantly enhancing system observability and incident response.
- Supported and maintained enterprise-scale SOA ETL systems, ensuring data integrity and high availability.
- Drove strategic modernization initiatives leveraging AWS IaaS solutions, significantly improving system scalability, operational efficiency, and reducing infrastructure costs.
- Provided technical leadership on complex cloud platform migrations, effectively coordinating cross-functional teams and ensuring smooth transition with minimal business disruption.

## Skills

- Java, C#, Python, GoLang, PHP, Javascript, TypeScript
- Spring Boot, Spring MVC, Struts, Hibernate, .NET Framework, Entity Framework, MyBatis, React.js, Angular, Cucumber, Mockito, JUnit, JMeter
- OOD/OOP, Design Patterns, Algorithms, Data Structure, Functional Programming, Microservices Architecture, RESTful APIs, Domain-Driven Design (DDD)
- Cassandra, MS SQL/T-SQL, MySQL, MongoDB, PostgreSQL, Redis, Apache Kafka, Elasticsearch, DynamoDB
- AWS (EC2, S3, Lambda, RDS, ECS, EKS), Kubernetes, Terraform, Jenkins, GitLab CI/CD, SonarQube, Splunk, Grafana, Prometheus, Dynatrace, JFrog Artifactory
- Git, SVN, TFS, Jira Confluence

## Education

### NEW YORK UNIVERSITY

New York, NY

MS in Computer Science

## Certification

AWS Certified Solutions Architect - Professional

HashiCorp Certified: Terraform Associate