

# Qi Zhang

## Summary

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Software Engineer with 2+ years of experience building scalable, high-performance web applications across logistics, communication, and workflow automation. Skilled in designing distributed systems, leading cross-functional initiatives, and mentoring team members. Seeking a full-time backend or full-stack role (H1B transfer available) to architect impactful solutions and drive business value.

## Professional Experience

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### Freelance Software Engineer | Remote | 02/2023 - present

- Provided technical consulting and built small-scale web tools for friends and small businesses, focusing on React frontend development and AWS-based deployment.
- Researched system design patterns for scalable backend architectures, applying lessons learned to side projects and open-source contributions.
- Provided one-on-one coaching for peers preparing for software engineering best practices and career growth.

### Software Engineer | Flexport | Bellevue, WA | 11/2022 - 11/2023

- Built work management platform with Scala Zio and Java Springboot on backend and React on frontend
- Architected a shipment process template for the forwarding application, establishing best practices that improved development speed for new shipment workflows by ~ 30%.
- Designed and implemented an Amazon Simple Queue Service for shipment processors, improving throughput and reducing processing latency by ~ 20%.
- Developed gRPC APIs for inter-service communication, enabling reliable and low-latency message exchange across distributed systems.
- Collaborated with operations teams to deliver critical features, improving workflow efficiency and reducing manual processing time by ~ 25%.
- Integrated Atlassian Jira API into the Forwarding App, enabling in-app ticket creation and reducing average ticket creation time from 15 minutes to under 10 minute.
- Automated extraction of custom documentation from prior work items, standardizing automation workflows and introducing error handling with proactive alerts, reducing failure rates by ~ 15%.

### Software Engineer | Flexport | Shanghai, China | 10/2021 - 11/2022

- Built the shipment communication platform using Ruby on Rails and React to streamline internal and external messaging.
- Led the frontend implementation of a notification settings module for both individual and company accounts using React and GraphQL
- Mentored 2 junior engineers and established validation logic to prevent backend errors.
- Presented technical knowledge sessions ("brown bag") to share best practices across the engineering team.
- Shipped multiple UX enhancements, simplifying user interactions and improving satisfaction scores in user surveys by ~ 5%.

## Contacts

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**Phone** (206) 372-0229  
**Email** zqxms@hotmail.com  
**Location** Bellevue, WA  
**GitHub** @qzhang92  
**LinkedIn** /in/qzhang92

## Education

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### Northeastern University

- 01/2019 - 12/2020
- MS in Computer Science
- San Jose, CA

## Skills & Abilities

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### Programming Languages

- Java
- Scala
- Ruby
- Python
- Go
- Kotlin
- HTML
- React
- C/C++

### Frameworks & Tools

- Spring Boot
- Ruby on Rails
- React
- Node.js
- ZIO
- gRPC
- GraphQL
- Atlassian Jira API

### Databases & Cloud

- MySQL
- PostgreSQL
- MongoDB
- AWS (S3, Lambda, SQS)
- Redis

### Practices

- System design
- distributed systems
- API development
- automation
- agile development
- mentorship