

ANDY XUE

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EDUCATION

Georgia Institute of Technology
BS Computer Science *GPA: 3.86*

Atlanta, GA
Aug 2014 - May 2018

WORK EXPERIENCE

The Home Depot - Software Engineer 2
Summary

Atlanta, GA
June 2018 - Present

- Contributed to full stack development for various POS tax applications handling millions of requests every month while maintaining 99.99% uptime as part of a company-wide initiative to retire legacy systems.
- Led research and implementation of CICD pipelines, secrets management, GCP deployments, evolutionary database designs, and multi-factor authentication to exceed technical requirements on projects.
- Spearheaded refactoring an existing in-house app monitoring tool to eliminate false positives, standardize alert messages, simplify app onboarding, and emit metrics to a Wavefront dashboard to support the team's monitoring and alerting needs.
- Connected with stakeholders through iteration planning meetings, weekly demos, design studios, and usability tests to meet and anticipate business requirements.
- Used test-driven development, pair programming, CICD, and other Agile principles to deliver features in weekly iterations on cross-functional teams.
- Leveraged VS Live Share, Slack, Microsoft Teams, and Miro Boards to maintain productivity after sudden COVID-19 WFH policy.

Tax Exempt Team

Dec 2019 - Present

- Pioneered the architecture and development of a Socket.IO-based registration checkout system, allowing multiple users to review registrations at the same time without write conflicts.
- Retired legacy tax exempt registration and maintenance process in favor of a modern, microservice-based architecture using React, Express, PostgreSQL, and New Relic monitoring to improve experiences of over 2,000 customers every week.
- Onboarded POS systems to new tax exempt APIs, reducing the number of calls to legacy applications by over 2 million every month.

Tax Mapping Team

Oct 2018 - Dec 2019

- Guided the team's front-end technical decisions as React subject matter expert.
- Developed SKU mapping and tax table publishing services using React and Spring Boot to retire legacy systems.

Tax Commons Team

June 2018 - Oct 2018

- Independently developed a monitoring service for a vendor's API and an extensible circuit breaker system to improve system reliability.
- Worked on Spring Boot applications to centralize tax calculation logic for POS systems, handling millions of requests per month.

SKILLS

Languages: JavaScript, TypeScript, C#, Java

Technologies: React, Express, Unity, Socket.IO, Spring Boot, Jest, Cypress, JUnit, Git

PERSONAL PROJECTS

Raiding Party (Current) *React, Express, Socket.IO, Unity, C#* bit.ly/rpg-sample
Asynchronous, networked multiplayer game with a mobile-friendly website, server, and hosting app.

Floored! *Gamejolt API, Unity, C#* bit.ly/floored-game
Puzzle game with an extensive level editor. Players can submit levels to the cloud for others to play.