

ANDY XUE

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PROFESSIONAL EXPERIENCE

Teachers Pay Teachers — Software Engineer II

Remote

Core Services Team

Nov 2021—Mar 2023

- Maintained AWS-hosted TypeScript, Ruby on Rails, Elixir, and PHP monoliths and microservices responsible for millions of daily customer-impacting requests.
- Directed a project to retire 3 legacy payment methods responsible for 70,000+ monthly seller payouts, reducing the number of monthly touchpoints from 35 to 2 for TPT accountants.
- Created and executed a low-downtime upgrade plan for a critical database responsible for millions of seller products, serving 500,000+ requests during the upgrade downtime.
- Drove the investigation and fix for a Celigo and Netsuite issue that prevented 200,000+ invoices from being delivered to a TPT accounting system across 3 months.
- Oversaw a project to upgrade deprecated identity usages across 8 Easel team services, enabling future adoption of 3rd party authentication providers.
- Led an investigation and fix for a bug involving session key cookies that prevented 100% of Safari users from accessing their accounts for weeks.
- Integrated a service involved in linking user accounts across TPT systems with another team's data privacy tool, eliminating the manual work needed to delete a user's personal information.
- Onboarded engineers from a team merge onto the Core Services team's on-call rotation.
- Amended the Core Services team's on-call process to define a secondary on-call role in response to a consistently heavy on-call workload.
- Championed an on-call response checklist, created an incident Slack bot, and collaborated on gathering incident data to improve the incident response process across all teams at TPT.

The Home Depot — Software Engineer II

Remote

Tax Commons Team

Jun 2018—Oct 2021

- Maintained various POS tax applications handling millions of requests every month while maintaining 99.99% uptime.
- Upgraded POS systems to use new tax exemption APIs, reducing the number of calls to legacy applications by 2,000,000+ every month.
- Replaced legacy tax exemption registration and maintenance systems with a React, Express, and PostgreSQL microservice architecture to improve experiences of 2,000+ weekly customers.
- Led research and implementation of CICD pipelines, secrets management, GCP deployments, and evolutionary database designs.
- Spearheaded refactoring an existing in-house app monitoring tool to eliminate false positives, standardize alert messages, and simplify app onboarding.

SKILLS

Languages:

JavaScript, TypeScript, Ruby on Rails, Elixir, Java

Technologies:

Node.JS, GraphQL, React, Spring Boot, AWS, Datadog, Sumologic

EDUCATION

Georgia Institute of Technology

Atlanta, GA

- BS Computer Science

Aug 2014—May 2018