

Xinjiang Shao

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EXPERIENCE

The Aspen Group, Chicago, IL — *Principal Engineer*

December 2024 - PRESENT

- Lead the design and implementation of advanced front-end solutions to elevate the Digital Web Experience, prioritizing enhancements in patient scheduling, digital marketing, analytics, and compliance across diverse healthcare domains.
- Establish and advocate for best practices in front-end architecture, ensuring continuous evolution with an emphasis on performance optimization and scalability.
- Collaborate across teams to align technical strategies with business objectives, enabling seamless integration of advanced technologies into the Digital Commerce Platform.

The Aspen Group, Chicago, IL — *Lead Software Engineer*

May 2023 - December 2024

- Led the next generation of Commercial Web Experience development in dental care, urgent care, aesthetic beauty, and veterinary care.
- Modernized UI stack with micro front-end architecture, serving on-edge and real user monitoring for our ever-evolving Digital Commerce Platform in the healthcare sector

Peapod Digital Labs, Chicago, IL — *Principal Software Engineer*

January 2022 - May 2023

- Developed proof of concepts for in-house technology innovations including GraphQL, founding member of the GraphQL team
- Served as the Subject Matter Expert for consumer-facing applications and was on call for level 3 support to give quick workaround resolutions and provide long-term remediation recommendations.
- Engaged in architecture reviews to ensure technical designs and integrations with other principal engineers and domain architects meet current engineering standards.
- Worked closely with various teams within the organization including product, merchant, operation, technical support, and customer care teams to estimate effort and schedule for projects, complete with pre-determined specifications and quality standards.

SKILLS

Agile Development

Front-end Single Page Application with ReactJS, VueJS, AngularJS

NextJS

Back-end Service Orchestration and ReSTful API/GraphQL Design

Data, Workflow, Test Automation

AWARDS

Stevie Awards for Revamped Mobile Peapod App in Online Shopping Category

Winner of the First Annual Competition: "The Excellent Mobile App" Issued by The Department of Computer Science at the University of Illinois at Chicago · Jul 2014

LANGUAGES

English, Chinese Mandarin

- Promoted cross-team collaborations via Lunch & Learn events and small quick technical meetings for front-end and back-end developers.
- Hosted bi-weekly technical design conversations for the customer experience domain (**40+** front-end developers) and ad-hoc technical discussions for resolving active issues and validating new designs.

Peapod Digital Labs, Chicago, IL — Senior Software Engineer

January 2019 - December 2021

- Modernized consumer-facing applications to support a multi-tenant environment that drives billion-dollar online transactions annually. This is the eCommerce engine for all Ahold Delhaize retail brands – Peapod, Stop & Shop, Giant Food, Giant Food Stores, Giant Martin's, Food Lion, and Hannaford.
- Led migration from AngularJS to VueJS to support modern front-end architecture.
- Developed static product and category pages for search engine optimization that grew our organic traffic significantly.
- Mentored a dozen of junior developers to grow and understand the current industry's leading practices and analyzed the pros and cons of engineering solutions.

Peapod, Chicago, IL — Software Engineer

January 2017 - December 2019

- Worked on the AngularJS-based Single Page Application and migrated to more component-based architecture for the front-end.
- Developed the essential eCommerce features to support business growth, e.g., order process tracking, buy more save more promotions, batch add to cart, unattended delivery with slot filtering, etc.
- Supported A/B tests effort with Optimizely and Google Experiments for improving site usability, better user experience.
- Advocated leading practices in a modern context to achieve better UX, performance and accessibility.

Exact Sports, Chicago, IL — Full Stack Software Engineer

December 2011 - December 2016

- Implemented a set of online psychological profiling applications for young athletes and college coaches. The same set of tools is also used by MLB, NHL, and US Soccer prospects annually for prospect elevation. The web applications are responsively designed with Bootstrap as a CSS framework.
- Built an in-house camp registration platform for payments, camper evaluation, and camp management.
- Prototyped an iOS application for capturing and storing short athletic highlight video clips, stored assets in AWS S3, and integrated with the main application via ReSTful APIs.

- Migrated all our services to AWS to serve 65k+ users and improve server response time from 3s to 400ms.

Sagittarius Technology Co. Ltd (射手信息科技), Shanghai, China — Software Engineer Intern

January 2010 - May 2010

- Improved Splayer Client's subtitle matching system with perceptual hashing algorithms using fragmental audio clips.

EDUCATION

University of Illinois at Chicago, Chicago, IL — *M.S., Computer Science*

August 2011 - May 2013

Dalian Polytechnic University, Dalian, China — *B.S., Information and Computing Science*

August 2007 - May 2011