

Andrew Ni

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EXPERIENCE

Software Engineer

July 2024 – Present

Walmart Global Tech

Bentonville, AR

- Played a pivotal role in the end-to-end development of ELM 2.0 (Enterprise Location Master), re-engineering internal workflows to drastically accelerate and refine the processing of 200+ monthly location change requests.
- Optimized SDL (Store Directory Lookup), maintaining a high-concurrency internal platform serving 5,000+ daily users and scaling data attributes for 40+ global regions.
- Achieved an 80% reduction in production change lead time by architecting Automated CRQ pipelines with integrated quality-control gates and automated approvals.
- Enhanced U.S. store accessibility by implementing Sensory Friendly Hours fields within the Location Hours Manager application, impacting thousands of retail locations.
- Facilitated international supply chain expansion by scaling the DC Alignment Tool to Canada (CA) and Mexico (MX) markets.

Software Engineer Intern

May 2023 – Aug. 2023

Walmart Global Tech

Bentonville, AR

- Engineered a data synchronization utility using Spring Boot, Kafka, and Cassandra to reconcile 40M+ records with automated cron scheduling.
- Developed a real-time event monitoring system that utilized automated email notifications to update stakeholders on synchronization milestones.
- Streamlined environment parity by building a utility for precise data replication across 15+ Cassandra tables in Dev, Stage, and Prod environments.
- Designed a responsive React.js dashboard with optimized Axios interceptors for seamless communication with Spring Boot microservices.

Software Engineer Intern

Aug. 2021 – Nov. 2021

Estack

Tbilisi, GE

- Developed a full-stack real estate platform from scratch using Node.js and MySQL, creating a centralized interface for property management and discovery.
- Optimized backend search performance by crafting RESTful API endpoints for complex multi-parameter property filtering, improving query latency.
- Architected a scalable database schema to manage user profiles and property listings while ensuring high availability and data integrity.

Frontend Developer

Sep. 2020 – May 2021

Purdue Hack The Future

West Lafayette, IN

- Digitized the Jessie's Kids Foundation funding process, replacing manual email workflows with a custom full-stack web solution.
- Improved site performance by 30% through optimized asset loading and a mobile-first UI using Materialize CSS.
- Engineered a secure administrative dashboard for board members to adjudicate funding applications, enhancing operational transparency.

EDUCATION

Purdue University

Aug. 2020 – May 2024

Bachelor of Science in Computer Science

West Lafayette, IN

TECHNICAL SKILLS

Languages: Java, Python, JavaScript (ES6+), TypeScript, SQL, HTML/CSS

Frameworks: Spring Boot, React, Next.js, Node.js, Express, Angular, Material-UI

Tools & Technologies: Kafka, Cassandra, Solr, MySQL, MongoDB, Docker, Git, Jenkins, GitHub Copilot, Claude 3.5/4.5 Sonnet, GPT-4o