

# Ji Wang

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## Work Experience

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**Shopee, Digital Purchase, Frontend Engineer**

Shenzhen, China

*E-commerce Web & Mobile App and its Admin System | TypeScript, React, React Native*

2024.03 - 2025.05

- **Coupon Automatic Distribution & Scheduling:** Automated coupon stock replenishment and bulk distribution, managing over 250,000 campaigns. Developed reusable multi-file upload and scheduling components, significantly boosting operational efficiency
- **Homepage Search Module Redesign & Conversion Rate Improvement:** Led the redesign of the homepage search module, overcoming complex interaction challenges. Improved Indonesia's search conversion rate by 86% through URL parameterization and A/B testing.
- **Order Details Page UI Upgrade & Cross-Platform Theme System Implementation:** Upgraded the Order Details UI across 25 diverse product categories and multiple apps. Implemented an extensible theme system, enhancing UI iteration efficiency and brand consistency by an estimated 40%.
- **Rapid New Business Adaptation & Efficient Component-Based Development:** Facilitated rapid launch of new business lines ("Data Package") by developing a unified category ID-driven architecture. Reused generic components for "plug-and-play" construction, improving code reusability and maintenance.
- **On-call Issues Troubleshooting & Efficient Resolution:** Demonstrated strong on-call troubleshooting skills, resolving an average of 5 online issues and 15+ consultation queries per shift. Coordinated resources to minimize impact on live systems.

**Bayer, Crop Science, Full-stack Engineer (Intern)**

St. Louis, USA (Remote)

*Crop Data Management System | TypeScript, React, Node.js, PostgreSQL, AWS*

2023.01 - 2023.06

- **Frontend Performance & Usability Optimization:** Optimized an internal data management platform by caching data in SessionStorage, reducing refresh delay by 2 seconds and API calls by 35%.
- **Full-stack API Development & Deployment:** Developed and reviewed 3 API modifications and participated in database schema changes. Deployed APIs to AWS API Gateway and Lambda using AWS CodeBuild and GitHub Actions.

## Education

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**Rensselaer Polytechnic Institute, B.S. Computer Science | Troy, NY, USA**

2020.08 - 2023.12

## Skills

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**Web:** React, TypeScript&JavaScript, Tailwind CSS, Next.js

**Mobile:** React Native

**Backend:** Node.js, Express.js, Hono.js

**Databases:** PostgreSQL, MongoDB

**Other Tools:** Git, Github, GitLab; Cursor, Claude Code; Bun, pnpm, Yarn