

# Xi (Katherine) Li

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<https://portfolio-website-rho-snowy.vercel.app/>

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## TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Ruby, Java, Go, etc.

Database: PostgreSQL, MongoDB, Redis, etc.

Libraries & Tools: NodeJs, Tailwind CSS, GraphQL, Postman, Datadog, Sentry, Jira, Material-UI, Snowflake, Docker, etc.

Framework: Ruby on Rails, React, Express etc.

Web Service: AWS, GitHub, CircleCI, Bitbucket, etc.

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## EDUCATION

<b>Illinois Institute of Technology</b>	Chicago, IL
<b>College of Computing</b> , <i>Master of Computer Science (STEM major)</i>	Aug 2021 – Dec 2023
<b>Armour College of Engineering</b> , <i>Master of Chemical Engineering (STEM major)</i>	Aug 2016 – May 2018
<b>China University of Petroleum (East China)</b> , <i>Bachelor of Petroleum Engineering</i>	Sep 2012 – Jul 2015 Beijing, China
<b>Beijing Technology and Business University</b> , <i>Bachelor of Bioengineering</i>	Sep 2008 – Jul 2012 Beijing, China

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## WORK EXPERIENCE

<b>Cromatic, Inc</b>	Chicago, IL
<i>Full Stack Engineer, Engineering Team</i>	Oct 2022 – Oct 2023
<ul style="list-style-type: none"><li>Utilizing Typescript and ReactJs, revamped Cromatic's landing pages and developed an application platform tailored for Biotech and contract research facility users.</li><li>Leveraged NodeJs, Typescript, and GraphQL to build robust backend support for the web platform.</li><li>Achieved a minimum 30% productivity increase for the operations team by leading the design of new features and the development of internal tools in collaboration with a cross-functional team.</li><li>Employed Ruby on Rails to launch Cromatic's inaugural web application platform, targeting Biotech and contract research facility users.</li><li>Enhanced team efficiency by designing an internal admin tool using Retool.</li></ul>	
<b>Chowbus, Inc</b>	Chicago, IL
<i>Software Engineer, Platform Ops Team</i>	Sep 2021 – Oct 2022
<ul style="list-style-type: none"><li>Achieved a 40% reduction in the finance team's manual workload by developing the internal payout system UI with JavaScript, TypeScript, React, and GraphQL to streamline delivery orders.</li><li>Boosted POS service usage by 30% among new users by supporting third-party service integration projects using Golang, Ruby, and Redis, enabling unified order management across different platforms.</li><li>Enhanced operations team productivity by at least 20% through backend system upgrades and collaborative system design with cross-functional teams, focusing on product limitations, capabilities, performance requirements, and UI designs.</li><li>Formulated test cases for new features of the iOS app, React web app, and backend; orchestrated test schedules and strategies in alignment with project scopes and delivery dates, participating actively in feature design meetings with engineers.</li><li>Improved QA test efficiency by creating automated test cases, documenting bug reproduction steps, testing endpoints with Postman, and sharing backend and edge case knowledge to support onboarding of engineering team members.</li><li>Ensured product functionality consistency by performing regression tests on UI automation tests (E2E) for iOS and web clients, safeguarding against issues from recent releases or changes.</li></ul>	
<i>Data Operation Manager, Merchant Ops Team</i>	Jan 2021 – Sep 2021
<i>Data Operation Lead, Merchant Ops Team</i>	Oct 2020 – Jan 2021
<i>Associate Business Analyst, Central Ops Team</i>	May 2019 – Oct 2020

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## PROJECTS

<b>Library Database Management Web System Design, Illinois Institute of Technology</b>	Chicago, IL
<i>Co-leader, CS 425 Database Organization</i>	Aug 2021 – Dec 2021
<ul style="list-style-type: none"><li>Utilizing Java, PostgreSQL, Maven, Tomcat, and Java Servlet, built a web application and crafted a demo video that showcased its design and functionality, earning an A grade for the semester project.</li><li>Designed an Entity-Relationship (ER) model and implemented SQL scripts to establish tables and define constraints, using relational database management principles.</li><li>Fostered a collaborative environment in web application design, coordinating with team members to set precise expectations for each component, facilitated by clear communication and shared objectives.</li></ul>	