# Ethan Chen

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## WORK EXPERIENCE

**Software Engineer, Thoughtworks - *Chicago, IL*** February 2024 - July 2024
- Integrated an email notification service with the Gmail API using Spring Boot
- Designed and developed an alert banner and leave request form using React and Material UI
- Reduced built times by 15% by running tests in parallel and caching dependencies using CircleCI
- Optimized application instances and reduced cloud costs by 10% by analyzing peak and off-peak usage using Google Cloud
- Audited and corrected database discrepancies improving overall accuracy by 25% using SQL queries and internal tooling

**Intern Software Engineer, Thoughtworks - *Chicago, IL*** May 2022 - August 2022
- Established CI/CD pipelines using GoCD and Heroku for application deployment
- Refactored API to use controller-service-repository pattern using Spring Boot
- Implemented designs and prototypes of UI elements from Figma using React and Material UI
- Followed accessible and responsive web design ensuring that the application was presentable across different devices and screen sizes
- Increased visibility of project progress by creating a Jira Board where tasks were created and delegated

## PROJECTS

**E's Computer Shop - Online Ecommerce shop for Refurbished Computers**
- Used server-side rendering and server actions to reduce client-side JS and improve SEO and load times
- Implemented protected routes, authentication, and authorization using NextAuth
- Integrates with PayPal for payment processing
- Data validation schemas and type definitions are handled using Zod with TypeScript
- Developed layouts, components, and forms using React, Tailwind, and ShadCN UI

**Queensboro Hill Web Design - Volunteer Freelance Web Development**
- Volunteered to help organizations improve their website's SEO, responsiveness, and accessibility
- Designed and implemented custom UI elements and business logic using HTML, CSS, and PHP
- Brainstormed ideas with clients and advised them on the technical feasibility and trade-offs
- Updated plugins to latest versions to maintain website health

## TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, HTML, CSS, SQL, PHP
Frameworks: React, Next.js, Express.js, Spring Boot, Prisma, Tailwind CSS
Testing: Jest, JUnit, Playwright
DevOps: Google Cloud, Git, GitHub, CircleCI, GoCD
Databases: PostgreSQL, MongoDB

## EDUCATION

Queens College - B.S. in Computer Science August 2018 - December 2022