

## Ethan Chen

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### TECHNICAL SKILLS

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Languages: JavaScript, TypeScript, Java, HTML, CSS, SQL

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

### WORK EXPERIENCE

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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 build 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

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E's Computer Shop - Next JS, React, Tailwind, Prisma, PostgreSQL

- 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

### EDUCATION

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Queens College - B.S. in Computer Science

August 2018 - December 2022