

# Dong Hu

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## EXPERIENCE

### Zapier, Software Developer

AUG 2021 - PRESENT - REMOTE

- Migrated multiple monolithic frontend applications into **Next.js** microservices while implementing server side rendering to increase web vital metrics and SEO
- Refactored BFF **Apollo GraphQL** queries, leveraging caching to decrease overall latency in data fetching
- Increased unit and integration test coverage on hooks, graphql queries and components with **Jest** and **Mock Service Worker** by 40%
- Improved web performance metrics of **LCP, TBT, FCP** by reducing excessive re-renders on UI while implementing new features to decrease time to find a Zap such as drag and drop, search, filtering and sorting of entities

### ApplyBoard, Software Developer

AUG 2017 - JUL 2021 - KITCHENER, ON

- Migrated legacy monolithic web-application built with **Ruby on Rails** to a vertically sliced **React.js** microservice architecture
- Automated interaction with web portals and PDFs in order to expedite internal customer experience workflow by creating a **Google Chrome extension** written in **JavaScript** and **jQuery**
- Stabilized backend payment infrastructure and scaled frontend interfaces to allow **micro-transactions**, promotions, increased user engagement
- Increased developer productivity by building **RESTful APIs** following **JSON:API** standards and documentation with **SwaggerUI**

### MyPlanet, Software Developer Internship

AUG 2017 - SEPT 2017 - TORONTO, ON

- Spearheaded design of real-time twitter feed prototype app built with **Node.js**, **React.js**, **MongoDB** leveraging **IBM Watson** to analyze social media engagement for Girl Guides of Canada

## EDUCATION

### Lighthouse Labs, Web Development

TORONTO, ON

### University of Waterloo, Bachelor of Science

WATERLOO, ON

Kinesiology, Minor in Pre-Health Professions

## TECHNICAL SKILLS

**Languages:** JavaScript (ES5, ES6), TypeScript, Ruby, Python, SQL, HTML/CSS, PHP, GraphQL

**Frameworks:** Ruby on Rails, Node.js, Next.js, Express.js, Flask, Django

**Devops:** AWS, Heroku, Docker, Kubernetes

**Databases:** MySQL, PostgreSQL, MongoDB

**Libraries:** React.js, Redux, Vue.js, Kafka, ZooKeeper, BeautifulSoup, Selenium, Cucumber, Mock Service Worker, Apollo Client, Jest, Enzyme, Cypress

## PROJECTS

### Shopify Release Monitor

- Notifies updates of a Shopify store utilizing **Docker**, **MongoDB** and **Discord.js**

### Instagram Mass Like, Follow, Unfollow

- **Google chrome** scripts for Instagram user to mass like posts, and follow/unfollow users

### Zap Organization and Folder Name Suggestion using OpenAI

- Proof of concept displaying clustering and recommendation of titles utilizing **OpenAI** embeddings API and **Pinecone** vector database