

Matthew Ly

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Education

University of Illinois at Urbana-Champaign

Bachelors of Science in Computer Engineering, May 2016

Work Experience

Zillow, Remote

May 2021 - Present

Software Development Engineer

- Build in and deploy microservices responsible for Zillow's page header/footer and Favorites listing page
- Develop common UI React components to be consumed by other internal teams
- Configure CI/CD pipeline to automate scheduled unit/integration tests
- Improve observability (alerting, logging, monitoring) through code and in toolings such as Sentry, Datadog, and Grafana

Workday, San Mateo, CA

July 2016 - April 2021

UI Engineer

- Developed data visualization product using ReactJS / Redux frontend, NodeJS backend, Rest web services, with Jest/Selenium testing
- Implemented the visualization's drill down feature that allows users to analyze the breakdown of data, which was one of the highest requested features by the customer
- Led the slow rollout initiative of Data Discovery product from 0 to 800+ customers
- Contributed common UI components that's consumed throughout Workday

Software Development Engineer

- Created REST web services for paylips data, scaling to Workday's largest customers (Walmart, Bank of America, Kohl's, etc)
- Integrated Workday's payroll services with external partner companies (e.g, ADP, Ceridian)
- Created middleware to integrate Workday services with JIRA, Alexa, and Slack
- Implemented annual compliance changes relating to paylips
- Developed internal dashboard for leadership using production data

JPMorgan Chase, Chicago, IL

Summer 2015

Application Developer Intern

- Developed productivity web app to track tasks and versions among development teams
- Built UI using Backbone.js with RESTful web services to connect with Java backend
- Designed database schema and implemented in SQL

University of Illinois at Urbana-Champaign, Urbana, IL

Dec 2014 - May 2015

Web Developer (part-time)

- Updated content and UI changes for university websites
- Heavily focused on accessibility based on W3C standards

CVS Caremark, Buffalo Grove, IL

Summer 2014

Programmer Analyst Intern

- Migrated existing native desktop app to the web. The app is consumed by pharmacists to receive and input online prescription orders
- Built UI using Java Server Pages with Servlets to hit existing REST endpoints.

Skills

JavaScript Frameworks/Tools: React/Redux, NextJS, Webpack, Jest, Cypress, Selenium

CI/CD Tools: Gitlab, Bamboo, Jenkins, TeamCity

Other Technologies: TypeScript, HTML, CSS, Git, GraphQL, REST web services