

RAYMOND YEH

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TECHNICAL SKILLS

Languages: Java, Python, TypeScript, JavaScript, HTML/CSS, Perl, PHP, MATLAB

Software/Frameworks: Spring, Spring Boot, Git, React Native, MySQL, Hibernate, Docker

WORK EXPERIENCE

Amazon – Software Engineer II

Sept/19 – Mar/23

- Personalized Book Recommendations on Kindle Storefront
 - Designed and implemented personalized book recommendations on the Kindle Storefront page using Spring and JSP.
 - Book recommendations are automatically ranked based on customer preferences instead of scheduled by the marketing team.
 - Increased customer interactions on the Kindle Storefront page on Kindle for Android by 5% and Kindle devices by 3%.
- Books Recommendations Ranking Experiment
 - Experimented with different book recommendations ranking strategies on the Kindle Storefront and Thank You pages.
 - Modified layout of pages to prioritize showing the customer their most preferred recommendations.
 - Increased contrition profit by 0.10%
- Kindle Storefront Feature Migration
 - Led a team of 4 software engineers to complete the deprecation of 41 endpoints related to Kindle Storefront.
 - Needed to stop traffic to the old Perl based endpoints and recreate the same features using a Spring based framework.
 - Designed framework to handle the redirection of up to 10000 TPS of traffic.
- Kindle Detail and Thank You Page Redesign
 - Implemented new UI for quick view Detail and Thank You pages on Kindle devices using React Native. The pages were originally rendered using JSP.
 - Created new “Next in Series Card” feature which recommends the next book in a book series to a customer.
 - Pages were launched to customers and serves as a baseline to migrate other Kindle pages using React Native.

Blume Global – Associate Software Engineer

Oct/18 – Sept/19

- Microservices for Intelligent Transportation Management Systems
 - Implemented backend services and REST APIs using Spring Boot, Hibernate, Kafka, and MySQL.
 - Developed new features for multimodal shipment tracking and automated shipment carrier selection.
 - Deployed and released applications using Docker, Kubernetes, and Google Cloud Platform.
 - New features are being used by over 6000 shipment carriers.

SASCO – Project Engineer

Sept/15 – Jun/18

- Project engineer specializing in commercial electrical construction projects.
- Managed field operations and assisted with budgeting, scheduling, and planning for several multimillion dollar projects.

Georgia Institute of Technology – Teaching Assistant

Jan/17 – Jun/17

- TA for machine learning class responsible for grading assignments, class participation, and exams.

PROJECTS

Fitness Tracker Application

Mar/18 – May/18

- Web application to track and predict progress with weight loss based on caloric intake.
- Users can edit fitness data for each day and upload/download data in csv format.
- Front-end built with HTML, CSS, and Javascript and back-end built with PHP and MySQL.

Java Based Yu-Gi-Oh Game

Jan/18 – Mar/18

- Developed a turn based card game inspired by the popular trading card game Yu-Gi-Oh.
- Used Java Swing for GUI components and implemented a simple AI for the opponent.

EDUCATION

2015 – 2017 Georgia Institute of Technology - M.S. Computer Science

2011 – 2015 University of California, Berkeley - B.S. Civil Engineering