Floyd (Hongyu) Ding

FULLSTACK ENGINEER

Details

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Skills

AWS Services/AWS CDK
Typescript/Javascript
React/Vue
Serverless
API/System Design
CI/CD DevOps
Vite/ESBuild
Python
Java
English/Mandarin

Education

B.S. in Computer Science,
Carnegie Mellon University
Aug 2014 — May 2017

Profile

Fullstack engineer with focuses on frontend, serverless architecture and progressive tooling. Ability to lead team to design, implement and maintain a product through its full life cycle. Adept at working with product management, design and leadership to push a project going forward.

Employment History

FEE at AWS
Aug 2020 — Present

- Launched external facing decision tree engine service to provide context specific architectural guidance/recommendations.
- Launched micro-frontend widget that interacts with backend to provide guidance to users in AWS console.
- Revamped micro-frontend widget leveraging Vite, CSS modules and PagedJS to improve loading speed, responsiveness, accessibility and align PDF generation to W3C printing standard.
- Externalized the widget for usage outside of AWS console.
- Increased unit test coverage and built integration tests and E2E canary tests leveraging AWS CloudWatch synthetics
- Release internal Vite plugins to facilitate all internal developers to build micro-frontend widgets.
- Worked with other platform teams to help review and released a frontend assets gradual rollout service.

FEE at Comixology, an Amazon company
Nov 2019 — July 2020

- Experimented, designed and implemented server side rendering framework with partial hydration capability leveraging Vue.
- Introduced responsive and mobile first design, and led team to built and released new web store experience.

SDE at Alexa, Amazon
Sept 2017 — Oct 2019

- Built Alexa Skill Cleo to gamify the crowd data collection experience.
- Designed, implemented and released internal facing CMS for Alexa Skill Cleo.
- Rebuilt the CI/CD infrastructure for Alexa Skill Cleo.
- Built config driven data aggregation service for ML data labeling internal tool leveraging GraphQL.
- Built internal facing ML data annotation tool.