

# Bo Peng

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Frontend Engineer with 5+ years of experience specializing in React and Typescript development with proven track record of leading small teams and delivering scalable and high end frontend experiences for customers with accessibility in mind.

## Experience

Amazon AWS | Frontend Engineer II - React, Typescript, Java, CloudWatch

Jan 2022 - Present

- Developed New Reader Experience Topics in QuickSight for a better Q&A experience for QuickSight users.
- Collaborated with science team to curate generative AI recommended questions in topics for thousands of users.
- Utilized React and Typescript to build QuickSight Scenarios for thousands of current QuickSight Pro users.
- Wrote end to end tests using PlayWright to ensure full coverage and intended user experience for Topics, Scenarios, and Stories in QuickSight across all test and prod regions.
- Automated testing resources and QuickSight account creation for region rollout with AWS Cloud Development Kit to reduce 5+ days of manual workload when expanding QuickSight services to new regions.
- Led team of 5+ engineers to implemented node-based editor canvases on the UI using React Flow for Scenarios, giving 5000+ customers a reliable and streamlined experience when viewing their data.
- Integrated new GenAI features with frontend, allowing users to leverage large language models within Scenarios.
- Actively maintained 10+ customer based UI and service pipelines and oncall for Topics, Scenarios, and Stories.
- Implemented a reusable React render-prop modal component for different QuickSuite's core services such as Analysis and Dataset to utilize the same component's state functions for a more consistent UI experience.
- Created reusable React UI preview components to display AI agent generated Microsoft Office and PDF files for QuickSuite Research team end users.

Fanbyte | Junior Software Engineer - Vue, Node Express, MongoDB, Wordpress

Feb 2021 - Jan 2022

- Developed microservices as npm modules to help aid the ad service platform for a better ad experience.
- Utilized mocha testing framework to integrate meaningful tests to ensure microservices function properly.
- Polished vue ad service front-end to integrate with the new modular npm services to better gather web traffic.
- Constructed new api endpoints to retrieve publisher revenue data for our renovated vue dashboard service.
- Created new wordpress theme with vue and wordpress components for complete redesign of Fanbyte website.

ManageGo | Software Developer - React

Aug 2019 - Dec 2019

- Implemented new website designs in React for software applications, improving user experiences for thousands.
- Created new custom React hooks using React history module to manipulate query strings when handling API calls and state management with Redux and Redux Saga for the utmost dynamic front-end performance.
- Designed and finalized an API schema on a new commercial application feature/software for concierge users.
- Utilized styled-components to design multiple React components to ensure optimization, stability, and consistent universal styling throughout the entire application structure and user interface.
- Wrote polished tests on redux actions, reducers, and sagas to ensure proper functionality in application state.

## Education

New York University | BA in Computer Science with a minor in Economics and Web Design

### Relevant Coursework

Data Structures, Basic Algorithms, Computer System Organization, Operating Systems, Applied Internet Technology Discrete Mathematics, Web Development and Programming, iOS Development, Natural Language Processing

## Technical Skills

Experienced: React, React hooks, Typescript, Jest, PlayWright, React Query, Redux/Saga, CSS, Git

Additional: Node, Java, Python, AWS (CDK, Cloudwatch, Lambda DynamoDB), Pipelines, MongoDB, Vue, Wordpress