

Billy Shih

Senior Software Engineer
Seattle, WA - Remote

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<http://github.com/bbshih>

WORK EXPERIENCE

JPG - Web3 NFT Curation, Remote
Senior Software Engineer

March 2022 - June 2023

- Led engineering for Next.js frontend app utilizing feature gating by user holding ERC721 NFT and posting data to Arweave for onchain storage
- Project managed 3 other devs and 1 designer using kanban style agile process and represented dev team in weekly leadership meetings
- Created Canons frontend allowing users to govern lists of NFTs through submitting and voting on NFTs using wallet signatures
- Rewrote exhibition editor allowing users to create galleries and written commentary on NFTs
- Simplified Next.js app, enhancing performance and code maintainability by refactoring use of React context for state management and replacing it with TanStack useQuery, React useState and Next.js router
- Resolved and worked around Reservoir and Arweave API rate limiting
- Bolstered team productivity: reducing build times in Jenkins pipeline, resolving docker issues and creating consistency between frontend and backend

Amazon - AWS Budgets/Sustainability, Seattle, WA/Remote
Frontend Engineer II

May 2018 - Mar 2022

- Led rewrite of AWS Budgets console into a TypeScript React/Redux application. Budgets consisted of a table of budgets and their status and a multi-page form to create and edit budgets. Required use of dynamic charts, dynamic form fields and frontend/backend validation
- Implemented code standards and React best practices, e.g. using Prettier and ESLint, functional components, React Router, Redux with Reselect
- Aided another team in launching their first AWS Console and provided expertise across the organization
- Later joined Sustainability and rewrote Amazon Second Chance <https://www.amazon.com/amsc> into a React application covering 7 different marketplaces and 10+ languages
- Wrote unit and integration tests using React Testing Library and Cypress for end-to-end testing

Seattle Cancer Care Alliance - Seattle, WA
Senior Software Engineer

March 2017 - May 2018

- Front-end developer creating Caresi, a React web app that guides cancer patients through their treatment experience. Patients track their appointments, labs and care team information
- Wrote majority of the app, including the schedule page, authentication logic, shared layout components and labs page
- Decreased page load time by upgrading and reconfiguring webpack and eliminating unused code and dependencies

GreaterGood [Seattle, WA]

April 2015 - March 2017

Software Engineer

- Ported tools for managing storefront, inventory and promotions from Java to Ruby on Rails and React with AltJS
- Aided in designing a microservices API consumed by React and Rails app
- Redesigned and prototyped the main shopping site using responsive design, HTML, SASS and JavaScript. Lead bi-weekly meetings with management team

Full Circle - Seattle, WA
Web Developer

August 2013 - March 2015

- Developed features for Backbone/Marionette app and writing API's in Ruby on Rails, e.g. member subscription management tool and drag and drop tool to organize products displayed to customers using jQuery
- Created and championed clean, modern and responsive design. Redesigned and refactored majority of the site and provided feedback on other developer's projects
- Created templates using LESS and Bootstrap to reduce development time from days to hours

Projects/Contract

- Philanthro (Volunteer): Lead redesign of six Wordpress websites
- Samaritext (Contract): Rails app providing web to SMS notifications
- Prototyping (Contract): Created proof-of-concept iPhone and iPad apps for Fortune 500 networking company. Apps presented to Fortune 500 CEOs

Previous Business Experience

Co-founder at Up Dog Toys, Co-founder at T&J Designs, Director of Optimization at RealSelf

EDUCATION

Code Fellows

May 2013 - June 2013

- Fullstack Ruby on Rails bootcamp teaching Behavior Driven Development
- Awarded Best Final Project <http://github.com/bbshih/AppFunnel>

University of Washington

September 2003 - June 2007

- B.A. in Business Administration (Concentration: Information Systems)
- 3.63 GPA and Dean's List from 2005-2007

TECHNICAL SKILLS

Programming Languages: TypeScript, JavaScript, HTML

React: React, Next.js, wagmi, useQuery, Redux, Reselect, React Router

Testing: Jest, Cypress, React Testing Library

Styling: CSS, Tailwind, Styled Components, SASS

Other: Git, Jenkins, Docker, PostgreSQL, MySQL