

Bradford Chen

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SUMMARY

- Proficient full-stack developer with 3 years of experience building in Typescript, React, and GraphQL.
- Experienced Java developer – multiple internships, side projects, and vast majority of university coursework.
- Interested in both full-stack and backend opportunities, and in distributed systems and database technologies.

SKILLS

Languages: *Typescript/JavaScript, Java, C++, SQL, Python, Bash*

Technologies/Frameworks: *GraphQL, React/React Native, AWS, PostgreSQL, Redis, GitHub, CircleCI, Kafka, Redux*

Areas of Knowledge: Full-stack mobile & web product development, mobile & server-side caching, distributed systems, microservice architecture, event frameworks, restful APIs, relational databases, machine learning infrastructure, CI/CD

WORK EXPERIENCE

Convoy – Brokerage Tech

Seattle, WA

Senior Software Engineer, T5

May 2023 – Present

Software Engineer, T3, T4

August 2020 – May 2023

- Domain expert in a suite of auction house marketplace products for discovering and bidding on truck loads.
- Led multiple impactful full-stack projects working with product, design, and data science.
 - Led cross-team efforts to redesign core marketplace features for an app-wide revamp, including moving to bottom-tab structure, additional marketplace feeds, search saving, results filtering, and bidding UI.
 - Working on recommendation and search relevance & ranking ML model integration and feature serving.
- Co-led project to rearchitect a critical last-line-of-defense internal ops tool to match untaken shipments.
 - Helped spin up a new microservice, redesign and rebuild the entire UI, increase performance, and make improvements to the previous product based on user input. Product & design was engineering driven.
- Proposed, led, and contributed to multiple tech debt cleanup and operational efforts to improve app performance and reduce bug occurrences by implementing industry-wide best practices.
 - Actively involved in latency management. Reduced page load times on landing pages by over 50%.
 - Spearheaded effort to migrate critical pages to TS functional components, greatly reducing app crashes.
- Mentored intern, onboarded senior engineers, involved in intern event planning, morale events, and recruiting.

Snowflake – Service Runtime

San Mateo, CA

Software Engineer Intern

June – September 2019

- Worked on stability and resiliency improvements within Snowflake's distributed systems that allocate and manage many servers to handle user compute requests in real-time (*in-house Kubernetes*)
- Implemented and announced a feature to intuitively take instances out of server topology for analysis.
- Designed a more flexible way to prescribe user commands for the cluster/instance manager to execute.

Amazon – Prime Auto-Targeting

Seattle, WA

Software Development Engineer Intern

June – September 2018

- Designed and implemented a 1-click system enabling data scientists to set up their developer environments.
- Implemented a scalable strategy to query a deep learning model through SageMaker with large datasets to deliver real-time decisions based on model inferences to show ads to amazon.com customers.

University of Washington – Undergraduate Teaching Assistant, CSE461: Networks

January – June 2020

- Led weekly 20 student sections, held office hours, graded exams & projects, created study materials.

PROJECTS & ACTIVITIES

DubHacks Organizing Team – Tech - *Angular.js & MongoDB*

- On the executive organizing team that plans DubHacks, one of the largest collegiate PNW Hackathons.
- Built upon, retrofitted, and maintained Quill, an open-source hackathon application system from MIT.

Lofi.me - *Node.js*

- Utilized Discord, Spotify, and YouTube's APIs to create a Discord bot to query for and stream music.

EDUCATION

B.S. Computer Science, Paul G. Allen School of Computer Science, UW

September 2016 – June 2020