Bryce Sharp

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Resourceful software engineer with experience in fintech, application development, UI/UX design, React, and JavaScript. Proven ability to elevate user experience and collaborate with multidisciplinary teams and stakeholders. Experience in technical software gained in dynamic tech startups and data analyst experience spanning healthcare, technology, and risk. Personal GitHub : github.com/bstocksharp

▶Expertise

Programming Languages: JavaScript – React – HTML – SQL – PostgreSQL – Python – Typescript – C++
Systems: Snowflake – Git – Retool – Looker – NextJS – Jira – Informatica PowerCenter – DataStage

▶Education

Bachelor of Science in Information Systems, Brigham Young University: Marriott School of Business ▪ UT, 2021

▶Professional Experience

Brex | 01/2021-01/2023

Brex does spend management for a variety of companies. From enterprise customers (Doordash, Robingood, Seatgeek) to smaller startup companies. They provide corporate cards, expense management, travel, bill pay and FDIC cash accounts.

SENIOR ENTERPRISE RISK ENGINEER | 12/2022 - 01/2024
- Led projects developing internal tools to combat fraud for Operations teams, managing a remote team of 15 and expanding to also oversee an international team of 8.
- Developed a custom ticketing system to efficiently prioritize tasks for teams, managing over 100 tickets.
- Rewrote a retool application used to review Potentially Fraudulent Cash Transactions to have multiple layers of reviews, enable claiming an account to prevent multiple people reviewing on an account, and created layering so Brex could onboard an international team to use the tool as well. This project was completed using Javascript, HTML, SQL, and CSS within Retool.
    - Reduced transaction first touch times from 3-4 hours to under 15 minutes.
    - Enhanced tool scalability from 5 to >100 users and reduced load times from 2 minutes to <30 seconds.
    - Received special acknowledgements from the Director of Risk for enabling onboarding of external teams.

ENTERPRISE RISK ANALYST | 01/2022 - 12/2022
- Managed cash fraud prevention initiatives, creating custom rulesets and handling audits and legal cases.
- Ensured compliance with regulatory agencies and partner banks through data retrieval and analysis using SQL and PostgreSQL.
- Developed cash fraud rulesets that captured 90% of confirmed account fraud cases, preventing $200k in fraudulent transactions over the past year.

TECHNICAL CASH ANALYST | 01/2021 - 01/2022
- Worked on a team of 2 that handled all the operations of Automated Clearing House (ACH) and cheques at Brex. (reviewing and approving cheques, ensuring ACH's went out on time, finding lost transactions)
- Founded and led the "Cheque Clique Group" a cross-functional team made of members of different organizations (PMs, Engineers, Data Scientists) with a goal to improve Brex's cheque processing times and reduce manual reviews needed to increase processing speed.
    - Utilized SQL, Javascript, and fuzzy matching logic to decrease manual cheque reviews by 80%.
    - Reduced monthly man-hours spent on cheque reviews from 75 to 15, streamlining cheque processing.

Certifit | Mar 2023 - Nov 2023

Certifit Auto Body Parts is a nationwide aftermarket automotive parts seller, specializing in providing high-quality, car parts that fit and perform comparably to original equipment manufacturer's parts.

SOFTWARE ENGINEER

- Designed, constructed, and deployed a searchable website utilizing JavaScript, jQuery, DataTables, HTML, and CSS that showcased extensive data from a CSV file. Implemented a data cleaning mechanism to facilitate efficient ingestion of car part data that resulted in a reduction of employee time spent on part lookup from 5 minutes to under 5 seconds.
- Pioneered the company's inaugural external web presence that offered customers an intuitive platform for car parts search.
- Developed a JavaScript application to process car part numbers, titles, and descriptions, addressing the absence of an online presence for stores in the Houston, Texas market.
- Provided 24/7 website accessibility for customers to research car parts and potentially increasing customer base by approximately 33% of normal foot traffic.
- Enhanced the internal tooling for car part lookup that replaced the 500-page binder system with a user-friendly website capable of retrieving all relevant information.

Intermountain Healthcare EDW Team | 04/2020-01/2021
The leading healthcare system dedicated to high-quality medical services in Utah and the Intermountain West.

DATA ARCHITECT

Guided the architect team to diminish technical debt by reengineering existing processes with modern technologies that resulted in an average run speed enhancement of 2.5x.
- Achieved a monthly time savings of 75 hours for the team during the internship by converting workflows and jobs at scale.
- Developed a profound comprehension of ETL processes by collaborating with DataStage and PowerCenter that ensured accurate conversion, storage, and transmission of data.

Software Projects

[Web app, Javascript] Sole developer on auto body parts hosting website, allowing a car manufacturer to reach a market they previously didn't have a footprint in. (view-only password: CertifitHouston2023)
[Web app, NextJS, React, JavaScript] Sole developer on [new, WIP] personal website featuring React and backend development work.
[Web app, React, JavaScript] Sole developer on [old] personal website featuring React skillset and Material UI