

Brian Merriman

Senior Frontend Engineer | Frontend Software Engineer | Complex Data Applications

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PROFESSIONAL SUMMARY

Senior frontend engineer with 4+ years of experience building and shipping high-performance JavaScript applications for complex data and operational workflows. At JPMorgan Chase, served as primary frontend engineer for a multi-grid analytics workspace and earned promotion to Lead Software Engineer (Vice President) in two years. Expertise in frontend performance, virtualized rendering, WebSockets, state management, local-first architecture, Node.js, and SQL. Seeking a full-time Senior Frontend Engineer or Frontend Software Engineer role.

SKILLS

Programming: JavaScript (ES6+), SQL, HTML5, CSS3

Frontend: React, vanilla JavaScript, data visualization, frontend architecture, virtualized rendering, web performance optimization, state management, client-side caching

Data and Backend: Node.js, SQLite, IndexedDB, Dexie, REST API integration, WebSockets, local-first synchronization, data modeling

Engineering: Git, deployment

WORK EXPERIENCE

JPMorgan Chase | Lead Software Engineer (Vice President)

New York, NY | February 2025 - May 2026

- Promoted from Software Engineer III (Associate) to Lead Software Engineer (Vice President) in two years.
- Evaluated large language model (LLM) workflows for legacy application modernization and created reusable project guidance and user interface (UI) component constraints for AI-generated code.

JPMorgan Chase | Software Engineer III (Associate)

New York, NY | January 2023 - January 2025

- Served as primary frontend engineer during the product's first year, building a high-performance multi-grid analytics workspace on a small, fast-moving team.
- Enabled users to explore, join, pivot, and retrieve server-held datasets containing 100M+ rows.
- Implemented virtualized rendering, visible-window data fetching over WebSockets, client-side caching, and state management to keep every grid responsive.

OKG Tech | Software Engineer

New York, NY | March 2022 - December 2022

- Shipped an updated bus-ticketing application using React and Node.js as the primary implementation engineer on a team of four.
- Developed scheduling, vaccination, appointment reminder, and clinical workflow features integrated with eClinicalWorks and existing operational systems.

Yunshang Tea | Co-Founder

Zhejiang, China | September 2015 - November 2021

- Managed retail and wholesale operations for a specialty tea business.
- Built database workflows for inventory, sales, and business operations.

SELECTED PROJECTS

- **Ingrid (2026):** Built a local-first hierarchical grid application using JavaScript, IndexedDB, and Dexie for client-side persistence, with production cloud synchronization and subscription billing.
- **Showdown Elo (2026):** Built an automated nightly Major League Baseball (MLB) ratings and data visualization publication derived from 8M+ Statcast pitches; benchmarked the models against betting markets and published the negative result.

EDUCATION

Manhattan College | Bachelor of Arts (BA) in Computer Science

Bronx, NY | Magna cum laude | Phi Beta Kappa