**Adam Major**

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[Portfolio](https://www.adammajor.com/) [Github Profile](https://github.com/Beschuetzer)

**Summary**

Java trained, full-stack software engineer with .NET experience at a fortune 500 company. Experienced in all stages of the SDLC: requirements analysis, front-end development, back-end development, database design, and performance test engineering. Believes in solving key business and organizational problems with careful software design, focusing on great user experience and managing technical debt to produce maintainable solutions.

**Technical Skills**

**Languages & Frameworks:** TypeScript, JavaScript, React, Redux, Java, .NET, Node.js, Next.js, GraphQL

**Databases:** PostgreSQL, MSSQL, MongoDB

**Cloud, Containerization & DevOps:** Docker, Podman, AWS, Azure

**Tools & Methodologies:** Git, GitHub, Node, VSCode, Intellij, Agile, Command Line

**Web Technologies:** HTML5, CSS3, REST API

**Professional Experience**

**Best Buy** January 2025 – February 2025

**Engineer I**

* Created a fully-customizable .NET 8 batcher service by pulling Twillio attributes at a defined interval and storing them in a PostgreSQL database, allowing the policy service to evaluate policies based on Twillio attributes without having to make calls itself.

**Best Buy** November 2022 – January 2025

**Engineer Associate (Full-time Employee)**

* Combined three existing GraphQL queries for getting store details (storeById, storeLookupByLatLong, and storeLookupByZip) into a single query (storeLookup).
* Refactored the .NET 8 backend to use GraphQL queries to fetch feedback data, eliminating one network call.
* Created a .NET 8 service to automatically add the correct protection plan to a basket when an eligible item is added to the cart via the REST API, resulting in a +14% growth of said plans.
* Identified and resolved a React Typescript production bug where the UI for creating rules would break in some cases, causing users to lose their changes.
* Identified and resolved a React Typescript production bug where redundant calls were being made when the feedback filters changed.
* Created, modified, and fixed bugs related to REST APIs.

**Best Buy** January 2022 – November 2022

**Engineer Associate (Contract Worker)**

* Used React Typescript to build the leads feature, which allowed in-store employees to create re-usable baskets and schedule consultations, leading to a sales increase of ~15%.
* Used React Typescript to add a voice notes feature complete with recording animation, allowing employees to leave voice notes about a consultation when using the leads feature.
* Used React Typescript to create a re-usable quantity selector component which displayed the current quantity as well as adjusted the quantity of a product in the basket.
* Used React Typescript and Redux to create a component which displayed the saved consultations in a table, allowing employees to easily refer back to past consultations.
* Used React Typescript to create a recommendations drawer which displayed after the user added a product to the cart, displaying related items using infinite scroll.
* Used Redux Toolkit and Tanstack Query to complex state interaction and cache service calls.
* Maintained 80%+ test coverage through Jest and xUnit testing, ensuring high-quality deliverables.
* Translated Figma designs into pixel-perfect implementations with meticulous attention to detail.
* Consumed data from REST APIs to complete stories.

**Projects**

**Grocify** January 2024 – Present

Leveraged ChatGPT, Amazon Web Services, bar-code scanning and GPS to create a mobile app to make regular shopping trips more simple.

[**react-thumbnail-carousel (npm package)**](https://www.npmjs.com/package/react-thumbnail-carousel) November 2023 – Present

Created a highly customizable, low-dependency, React.js carousel package, which supports both images and videos.

[**A# Major Bridge**](https://adammajor.com/examples/bridge)June 2020 – February 2021

Developed a multiplayer web platform for playing contract Bridge using vanilla JavaScript, CSS, HTML, socket.io, MongoDB (Mongoose), and Paper.js, enabling real-time multiplayer game play in a modern browser.

* Implemented auto-save and resume game functionality via mongoose.
* Leveraged passport-local-mongoose to implement authentication and strict anti-cheat functionality.

[**A# Major Replay Viewer**](https://adammajor.com/examples/replay)July 2021 – August 2021

Used Angular to create a site whereby games played on A# Major bridge can be easily reviewed.

**Education and Professional Development**

**React & Java Boot Camp**

York Solutions

**Bachelor of Arts in Linguistics**

University of Minnesota Twin Cities

**Interests**

Hiking | Guitar | Music | Board and Card Games | Sauna | Cold Plunge