



# Ian McCauley

Senior Full-Stack Developer with 5+ years of experience designing and delivering platform-independent middleware and UI solutions. Proficient in Node.js, TypeScript, React, and Electron, with a strong focus on scalable architecture, REST/GraphQL APIs, and cross-functional collaboration. Passionate about building intuitive systems and mentoring team members.

## EXPERIENCE

### US Cellular, Chicago IL (Mostly Remote) — Web UI Developer

JAN 2022 - JUNE 2025

- + Wrote Typescript, CSS, HTML, React Native (Android/iOS), Node.js, Next.js, Jest, and worked with a number of web frameworks and associated systems including AEM, MongoDB, Openshift, Jenkins, Git, CI/CD pipelines
- + Collaborated with designers to develop shared UI patterns and internal design system components, prioritizing accessibility and maintainability
- + Began writing documentation from my first day on the job, documenting not just code but also shared processes, architectural notes, and more
- + Architected and maintained resilient, reusable components and middleware systems supporting REST APIs and JSON data services.
- + Attended daily standups to share status reports for work in progress, using it as an opportunity to ask questions and keep in touch with the team
- + Helped to onboard new developers sharing documentation, answering questions, and hosting introductory sessions to share experience, pointers, and other helpful information.
- + Led cross-functional collaboration with marketing, QA, and backend teams to deliver features from concept through testing, deployment, and production validation.
- + Assisted in coordinating and implementing broadband labels across web and mobile, and attended enterprise project meetings to share progress

### Synthona, Open Source Project — Javascript Developer

AUG 2019 - JAN 2025

- + Designed and developed cross-platform desktop middleware in Electron/Node.js to manage real-time data, application state, and hardware-adjacent interactions (file system, window management, process control, database interactions).
- + Extended quill.js to build a custom text editor and keyword parsing system for linking notes through a backend api on the fly as the user typed, making use of interlinked memory structures.

Chicago, IL

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[portfolio site](#)

## CONCEPTS

REST APIs  
Middleware  
Design Systems  
Cross-Functional Collaboration  
Agile  
Software Documentation  
Cross-platform Development

## FRAMEWORKS & LIBRARIES

Node.js  
React.js  
React Native  
Electron  
Next.js  
Express  
D3.js  
Jest/Mocha  
Terminal/CLI

- + Wrote a custom REST API in Express.js, Node.js, working with GET, POST, PATCH, etc using an MVC architecture for interacting with the database
- + Worked with SQLITE/Postgres to store system data, including an associative algorithm which allowed for querying a graph structure
- + Designed a JSON import & export system and custom file type
- + Worked with the Node.js fs module to traverse directories, launch files, open in Finder/Explorer and ensure cross-platform compatibility
- + The project has received 1100+ downloads to date with a 4.5/5 score

## **Iona Group, Morton IL — PHP Web Developer**

JAN 2018 - AUG 2019

- + Contributed to a large-scale Drupal PHP application and data system for State Farm, performing tasks from page updates to SQL queries.
- + Struggled a bit without any documentation, hence my choice to immediately begin writing docs from the first day at US Cellular
- + Ultimately left this role to focus on developing Synthona

## **EDUCATION**

### **Bradley University, Peoria IL — Interactive Media: Web/Apps**

AUGUST 2013 - MAY 2017

- + Studied Web & App Development and Design with a focus on Frontend
- + Attended basic computer science courses alongside frontend classes
- + Worked on a number of projects including a frontend application for satellite data, small games, some Augmented Reality work, and a number of graphic design projects in topics ranging from typography to web layouts

## **INDEPENDENT SYSTEMS & PROJECTS**

### **Note Taking System 2.0 — Successor to Synthona**

I'm building a new note taking system as a successor to the Synthona project, also in Electron. For this app I'm using ProseMirror for the editor and developing a keyword highlighting schema in SQLite as well as an API.

### **Experiments — Misc Coding**

I actively explore new technologies through study and prototyping; currently refreshing my knowledge of Angular and expanding into C++ and GraphQL concepts. I also like to read technical books now and then including books on compilers, code, operating systems, etc.

## **LANGUAGES**

Javascript  
Typescript  
HTML5  
CSS3/SASS/Less  
SQL  
C++ basics

## **TOOLS & PLATFORMS**

Git  
Jenkins  
CI/CD  
MongoDB  
Sqlite  
Postgres  
AEM  
Openshift