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.

Chicago, IL

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linkedin
github
portfolio site

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.

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++

TOOLS & PLATFORMS

Git

Jenkins

CI/CD

MongoDB

Sqlite

Postgres

AEM

Openshift