

Nick Beaulieu

Senior Software Engineer

Raleigh, NC / beaulieun331@gmail.com



Summary

Senior Software Engineer with 6 years of full stack experience excelling in the design and implementation of complex database and API systems. Proficient in Node.js, React, Typescript, Solid.js, C#, MySQL, and MongoDB, with a proven track record of delivering high-performance web-based applications.

Experience

MAR 2022 – PRESENT

Senior Software Engineer, Stashpad

- Designed and implemented a database and API with MySQL and Cloudflare Workers, integrating billing, authentication, and permissions systems.
- Built real-time syncing for a collaborative document editor using Cloudflare durable objects and Y.js over websockets.
- Developed editor features including comments, suggestions, mentions, grammar checking, and autocomplete using Solid.js and Codemirror.
- Automated a custom CI pipeline for building Electron apps on macOS, Windows, and Linux, used to release across multiple channels on a daily basis.
- Implemented a tree-style drag & drop library in React for document and note organization across workspaces.
- Optimized MongoDB Realm database operations using indexes and aggregations for instantaneous local-first interactions and rapid syncing.

NOV 2021 – MAR 2022

Senior Software Engineer, Levitate

- Architected and developed the texting platform, while responsible for establishing the database models, background job processing, business logic, and guiding other developers on front-end interface implementation.
- Optimized background job processing for contacts and integration data with external REST APIs using C# and MongoDB.
- Led the frontend development of a gamified sales tool which had an integrated phone dialing interface, and daily leaderboards for sales reps, which was later productized.

JAN 2020 – NOV 2021

Software Engineer II, Levitate

- Built a calendar and scheduling tool that integrates with GMail and Outlook for personalized email campaigns, using React and C#.
- Developed contact search and tagging tools, and improved navigation for a mobile app using React Native.
- Transformed the admin dashboard, improving revenue and retention tracking, leading to clearer data-driven decisions.

MAY 2018 – JAN 2020

Design Engineer, Caterpillar

- Designed and built a React component library that accepts user input from a touchscreen and jog dial.
- Implemented features on the console display from end-to-end including AM/FM radio, bluetooth, backup camera, and cruise control using C, C++ and JS.

Education

2017 – 2018

RALEIGH, NC

Associate of Applied Science, Web Development, Wake Technical Community College