



Manuel R. Blum - Front-End/UI/UX Engineer

404-713-0804 manny.blum@gmail.com <https://mannyblum.me>

Profile

I'm a Front-End and UX Developer with a strong design foundation and over a decade of experience building intuitive, responsive web applications. I began my career crafting marketing sites and progressively transitioned into full-stack application development. My recent work emphasizes building modern, performant SPAs using React, Vue, and Next.js, often integrated with Node.js and GraphQL APIs.

My strengths lie in front-end architecture and implementation using HTML, CSS/SCSS/LESS, JavaScript, and component-based frameworks. I also have hands-on experience with backend technologies including Node, Python, SQL, and MongoDB, as well as DevOps workflows in Linux environments.

Passionate about creating user-centered solutions, I collaborate closely with cross-functional teams and mentor others to share knowledge and elevate product quality.

Skills

Front-End Development

- HTML5, CSS3, Sass/LESS, JavaScript (ES6+), TypeScript
- React, Redux, Vue, Next.js
- Responsive Design, Component Architecture, SPA Development
- Material UI, Tailwind CSS, Bootstrap

UI/UX & Design

- Figma, Adobe XD, Sketch, Photoshop
- Wireframing, Prototyping, Accessibility

Tooling & Workflow

- Git, VS Code, Linux/Unix, Agile/Scrum
- Apollo Client (GraphQL), REST APIs, Node.js (basic)

Experience

SENIOR SOFTWARE ENGINEER - BEEP - JUNE 2022 - PRESENT

AutonomOS, Engineering, Research & Development

Helped lead front-end efforts in developing a scalable platform to manage autonomous vehicle hardware and live operations, used by control center operators and site managers.

- Built and maintained a complex, modular dashboard using Next.js, Apollo Client (GraphQL), and Material UI, enabling real-time visibility into vehicles, sites, users, assets, and routes.
- Collaborated closely with backend and middleware teams to integrate APIs and optimize data flow through Apollo's client-side cache.
- Worked directly with product managers and stakeholders to translate business requirements into intuitive UX flows and features.
- Participated in daily Agile ceremonies, conducted code and design reviews, and proactively addressed performance bottlenecks and scalability issues.
- Frequently prototyped and validated UI enhancements to improve the usability and efficiency of the platform.

SENIOR SOFTWARE DEVELOPER - BLUEFLETCH - NOV 2017 - JUNE 2022

EMS (Enterprise Mobility Security) Portal

- One of Bluefletch's main offerings, EMS, is a service used to provide enterprise level security to employees devices. My main task is to oversee and develop various existing and up new features for the portal. We leveraged React/Redux on the front for this purpose.
- It uses a variety of technologies such as React/Redux, node, Postgres, MQTT, GCP , Twilio and others to best provide solutions for our customers.
- I work along side Business Analysts and Designers to review feature changes or new ideas that can be used to further help our customers succeed.
- I would also help with mentoring Interns and Junior Developers that worked on both Portal and Android features.

Contractor Tablet Application

- This client was looking to leverage Windows tablets and an application to help their techs be more efficient at fulfilling work orders they have throughout the day. We decided on a solution using Angular and Cordova to create an application that, while technically could be used from any browser, would feel native and easy to use for the techs.
- After the success of this application, they decided they wanted to update other applications in their suite to follow this update in technology. We worked alongside them to deliver a new suite of applications built using Vue that can be used in their existing Windows tablets or in new updated Android tablets.

Retail Inventory Management Services

- One of our clients is a large retail company that has been using our Android service offerings to help them create various tools their employees could use to manage their inventory at stores. The client was looking to update a series of old devices that were being used in their stores very inefficiently.
- I joined this team for this project to help them put together a set of APIs, built in JAVA, that would work alongside their previous APIs. I worked alongside an Android Developer and together we would figure out what services this API needed to provide and how it would interact seamlessly with the Android application.

Education

Art Institute of Atlanta – **Bachelors of Fine Arts in Interactive Media Design**

Georgia College & State University – **Bachelors of Business Administration with a Major in MIS**