

# Manuel R. Blum

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Senior Software Engineer with over 10 years of experience specializing in frontend architecture, design systems, and building scalable user interfaces. I've contributed to mission-critical platforms in industries like HR tech, transportation, enterprise mobility, and observability. Comfortable working across the stack, I thrive in collaborative environments, value accessibility and performance, and enjoy simplifying complex problems into intuitive solutions. I advocate for clean, maintainable code.

## PROFESSIONAL EXPERIENCE

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### BEEP, INC

#### Senior Software Engineer

Atlanta, GA

Jun 2022-April 2025

- Led front-end architecture for a control center platform managing autonomous vehicle operations across multiple live sites.
- Built and maintained real-time dashboards with Next.js, Apollo Client, and Material UI, streamlining fleet and route visibility.
- Optimized GraphQL data flow and caching, reducing redundant queries and improving load performance.
- Translated complex business needs into user-centric interfaces, improving operator workflow efficiency.
- Prototyped and shipped iterative UI enhancements, driving measurable gains in system responsiveness and user satisfaction.

### BLUEFLETCH

#### Senior Software Developer

New York, NY

Nov 2017-Jun 2022

#### EMS (Enterprise Mobility Security) Portal

- Built scalable UI components in **React/Redux**, reducing dashboard load times and maintenance overhead.
- Collaborated across teams to deliver secure, intuitive features supporting enterprise device management.
- Mentored junior developers and improved team velocity through hands-on code guidance and architectural support.

#### Contractor Tablet Application

- Developed a cross-platform mobile app using Angular and Cordova, enabling field techs to manage daily tasks efficiently.
- Led UI modernization using **Vue**, ensuring tablet compatibility and enhancing field productivity.
- Delivered mobile-first, browser-compatible UX tailored for rugged Windows and Android hardware.

#### Retail Inventory Services

- Built Java-based APIs to support Android inventory tools used in 500+ retail stores.
- Integrated services with legacy systems, improving sync reliability and reducing inventory errors.
- Collaborated with mobile engineers to deliver scalable, real-time solutions aligned with in-store workflows.

## ADDITIONAL INFORMATION

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- **Languages & Frameworks:** JavaScript, TypeScript, HTML5, CSS3, React, Next.js, Vue.js, Angular, Node.js
- **State Management & Data:** Apollo Client (GraphQL), Redux, REST APIs, GraphQL, PostgreSQL
- **Styling & UI Libraries:** Tailwind CSS, Material UI, Styled Components, antd, Bootstrap, Sass
- **Testing & Quality:** Jest, React Testing Library, CI/CD
- **Tools & DevOps:** Git, Docker, Webpack, Vite, Firebase, Google Cloud Platform (GCP)
- **Design & Collaboration:** Figma, Storybook, Agile/Scrum, JIRA, Confluence

## EDUCATION

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### ART INSTITUTE OF ATLANTA

#### BFA, Interactive Media Design

Atlanta, GA

2004-2007

### GEORGIA COLLEGE & STATE UNIVERSITY

#### BBA, Management of Information Systems

Milledgeville, GA

1999-2004