

Ryan Schmidt

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FRONT END DEVELOPER

Frontend developer with 7 years of experience building web applications, with a focus on React and data visualization. I enjoy tackling complex technical challenges and creating intuitive user experiences.

CORE COMPETENCIES

- **Frontend:** React, TypeScript, Angular, HTML/CSS, Tailwind
- **React Ecosystem:** React Query, Context API, React Testing Library
- **Data Visualization:** D3.js, Mapbox GL, TurfJS
- **Infrastructure:** CI/CD, Azure, GitHub Actions, AWS S3
- **Backend Experience:** C#, .NET, RESTful APIs, SQL

PROFESSIONAL EXPERIENCE

General Motors | Austin, TX

June 2017 – Sept 2024

Senior Front End Developer

Built and maintained enterprise web applications used by 500+ engineers daily. Specialized in geospatial visualization and data processing systems.

Notable Projects & Impact:

- **Technical Projects**
 - Created real-time analytics dashboard with React, Mapbox, and D3.js
 - Built mapping platform with React and Mapbox GL for processing complex geospatial data
 - Engineered internal file sharing system utilizing cloud storage with AWS S3
 - Developed reusable mapping components used across multiple internal applications
- **Architecture & Performance**
 - Integrated REST APIs connecting to 10+ backend services
 - Led team migration from Angular to React architecture
 - Utilized memoization to increase app performance/efficiency
 - Reduced application load times through React code splitting and modern optimization techniques
 - Built shared component library and custom hooks for consistent state management
 - Reduced bugs by implementing comprehensive React Testing Library coverage
- **Team Impact & Leadership**
 - Mentored junior developers in React best practices and testing patterns
 - Created shared state management patterns with Context API to improve team collaboration
 - Worked closely with UX designer to optimize user workflow

Southwest Research Institute | San Antonio, TX

June 2016 – Sept 2016

Data Analyst Intern

- Implemented security improvements in C#/.NET applications
- Developed ASP.NET web forms with focus on UI/UX and performance
- Conducted technical requirements gathering and stakeholder interviews

EDUCATION

TEXAS A&M UNIVERSITY

Bachelor of Business Administration - Management Information Systems
Cumulative GPA: 3.6 / 4.0

College Station, TX
Graduated May 2017