
Ryan Pelham

Senior Software Engineer

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Professional Summary

Senior Software Engineer II with expertise in frontend architecture, fullstack development, and mentoring. Proven track record of leading modernization efforts, architecting scalable multi-framework component libraries, and delivering accessible, high-performance SaaS, enterprise, and government applications. Adept at Angular, TypeScript, C#, .NET, Azure, and state management patterns.

Skills

Frontend: Angular, React, Material, TypeScript, JavaScript, NgRx, CSS, HTML, AG Grid, Storybook

Backend: C#, .NET, REST APIs, MassTransit, MediatR, EF Core

Cloud & Databases: Microsoft Azure, Azure SQL, Azure Cosmos DB

Development Practices: Frontend Architecture, Fullstack Development, State Management, Mentoring, a11y, Performance Optimization

Experience

The Predictive Index, Remote

Senior Software Engineer II

March 2025 - Present

Senior Software Engineer

March 2023 - March 2025

Software Engineer II

November 2022 - March 2023

- Recognized go-to frontend architecture lead – driving scalability, developer experience, and cross-framework consistency.
- Architected and rebuilt the internal component library from the ground up, removing Material UI, implementing a multi-framework monorepo (Angular, React, shared SCSS), and integrating Storybook, Chromatic, and Compodoc for documentation and design sign-off.
- Led adoption of modern Angular features (Signals, Control Flow, standalone components, functional APIs) to reduce boilerplate and improve maintainability.
- Enhanced AG Grid with reusable wrappers and custom cell renderers.
- Created API-first component architecture using content projection, ensuring accessibility, high test coverage, and consistent APIs across frameworks.
- Established state management standards with NgRx and service-based patterns, including state-shape normalization.
- Delivered full-stack features using C#, .NET, MassTransit, MediatR, Azure SQL, and Cosmos DB.
- Mentored engineers, co-led Jest testing initiatives, and contributed to incident response rotations.

Dell Technologies, Remote

Senior Software Engineer II

June 2021 - November 2022

- Contributed to an enterprise sales planning platform for account segmentation, quota planning, and compensation.
- Led Angular upgrades (v8 → v13) and implemented UI re-theming of VMware Clarity to match the Dell Design System.
- Developed features and integrations with C#, .NET, REST APIs, and stored procedures, including export-to-Excel workflows.
- Delivered scalable state management with Angular Services.

Hillsborough County Tax Collector, Tampa

Senior Software Engineer II

June 2017 - June 2021

- Co-led greenfield Blazor Server application replacing manual workflows for 50+ employees, saving ~\$166K in 3 years and earning the Gold Productivity Award.
- Migrated between frameworks (Angular → Vue → Blazor) to align with evolving standards, implementing CQRS (MediatR) and SignalR for real-time updates.
- Built secure, responsive UIs using C#, TypeScript, JavaScript, HTML, CSS, Vuex, and Vuetify.
- Integrated Azure AD & ADFS authentication, data visualization (Chart.js), PDF reporting (jsPDF, PDFSharp, Dink2PDF), and role-based access control.