

RAFAEL AMIEL GAN

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SUMMARY

Software Engineer (Blazor/.NET + React/TypeScript) focused on performance and accessibility; cut initial load time 30%, reduced upload time up to 90%, and improved WAVE accessibility score 5/10 → 9.9/10.

EDUCATION

M.S. Computer Science (OMSCS), Georgia Institute of Technology 2026 – Present

B.S. Computer Science, Arizona State University 2020 – 2024
Summa Cum Laude • President's Scholar • Minor in Business

EXPERIENCE

Software Engineer .Net 8, Blazor, Syncfusion Aug 2024 – Present
Cognizant, TriZetto QNX Modernization Team (Healthcare Tech) Mesa, AZ

- Reduced initial load time by **30%** by leveraging Blazor lifecycle and Syncfusion events to improve UX.
- Implemented a JavaScript upload pipeline via Blazor JS interop to bypass SignalR upload bottlenecks (~4 MB/s), reducing upload times by **90%**.
- Increased WAVE accessibility score from **5/10** → **9.9/10** by fixing semantic HTML, ARIA usage, and Syncfusion component configuration, improving page structure and screen reader support.
- Implemented a reusable responsive grid system (containers, auto-layout, spacing) that accelerated layout development by **20%** while standardizing UI structure for readability and maintainability.
- Shipped **10+** production features for the HSC 2025 conference demo and exceeded client expectations.
- Maintained **85%+** xUnit coverage for Blazor Razor components to prevent UI regressions; validated accessibility with WAVE and NVDA.

Software Engineer Intern .Net, Blazor, Syncfusion Jun 2023 – Aug 2023
Cognizant, TriZetto QNX Modernization Team Mesa, AZ

- Built a Blazor + Syncfusion proof-of-concept replicating key QNX UI workflows (forms, grids, validation, navigation) to de-risk the modernization approach.
- Packaged the POC into a stakeholder demo with documented tradeoffs, helping secure approval to move from exploration to a funded project.

PROJECTS

IQity Brain Performance Report *React 18, TypeScript, Vite, Tailwind, Radix UI, Recharts, Zod, Vitest*

- Built a multi-section cognitive performance report UI from a structured JSON dataset - deployed to Vercel for stakeholder review.
- Enforced a runtime report JSON contract with Zod to block invalid payloads and produce actionable schema errors instead of silent UI corruption.
- Implemented config-driven dual data sources (local JSON fixtures + HTTP API) to keep UI decoupled from backend and enable demo vs. production modes without code changes.

AWARDS

Raise the Bar Award (Cognizant, 2025) — Shipped key UI components for the HSC 2025 client demo within a 3-week deadline.

SKILLS

- **Front End:** React, Next.js, TypeScript, JavaScript, HTML/CSS, Vite, Radix UI, Recharts, Syncfusion
- **Platform:** .NET 8, Blazor
- **Tools/Testing:** Git, Chrome DevTools, xUnit, Vitest, Zod, VsCode, Visual Studio
- **Accessibility:** WAVE, NVDA (WCAG 2.1 AA)