

RAFAEL AMIEL GAN

+1 (480) 310-5258 • rafaelamielgan@gmail.com
Tempe, AZ • linkedin.com/in/ganrafael • rafaelgan.vercel.app

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 <i>Summa Cum Laude • President's Scholar • Minor in Business</i>	2020 – 2024

EXPERIENCE

Software Engineer .Net 8, Blazor, Syncfusion	Aug 2024 – Present
Cognizant, TriZetto QNXT Modernization Team (Healthcare Tech)	Mesa, AZ
<ul style="list-style-type: none">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	
Cognizant, TriZetto QNXT Modernization Team	
<ul style="list-style-type: none">Built a Blazor + Syncfusion proof-of-concept replicating key QNXT 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
<ul style="list-style-type: none">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)