

NICKOLAS AYRES

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Summary

- Led nearly a dozen projects resulting in [millions of dollars saved](#), and an average of [~76% productivity gain](#).
- Expert in building fault tolerant, scalable full stack applications, internal libraries, and productivity tools.
- Champion of code quality and standards, focusing on testing, accessibility, and performance.
- Thrive in a culture of sharing actionable feedback, a bias for action, and the freedom to experiment.

Experience

[Freelance & Consulting](#) (06/23 - 03/24)

Full Stack Engineer consulting for an early stage startup founded by a director that I worked under at Carvana. After my services were completed they were named [2024 MIT Sloan CIO Symposium top 10 finalist](#).

- Consulted on product roadmap, user interviews, accessibility, UX & UI design, API development, and front end development.
- Independently architected and shipped their self-service portal, schema-driven dynamic application builder, and CMS solution that allows enterprises to modernize legacy apps [~99.98%](#) faster than a team of developers.
- Built an internal component library using MaterialUI and React

Core Skills: C#, Python, React, TypeScript, HTML, CSS, MaterialUI, GraphQL, REST, testing, Azure, PostgreSQL, observability & monitoring, design, accessibility, design systems

[HashiCorp](#) (10/22 - 06/23)

Senior Web Engineer developing reusable UI components, infrastructure as code, and tools for all HashiCorp sites, garnering over [1.2 million monthly views](#).

- Built cross-functional relationships, created roadmaps, delegated tasks, and delivered new platform tools.
- Designed and launched a markdown check system, enabling HashiCorp authors to enforce standards upstream, reducing iterations by [~60%](#).
- Created a dynamic sitemap generation system, increasing the discoverability of over [~2,000](#) additional documentation pages.

Core Skills: NextJS, JavaScript, Node, HTML, CSS, Github Actions & Workflows, testing, AWS, DynamoDB, design systems, open source, accessibility, cross functional collaboration, technical leadership

[Carvana](#) (06/19 -10/22)

Senior Software Engineer on a internally facing platform team. I gave dozens of tech talks, led projects, built a team, created code standards, and convinced executives to invest in platform engineering across the company for the first time. All of my impact took place at a time where Carvana was growing rapidly, from early years of being a public company, to [youngest company to make it to the Fortune 500](#) in 2021.

- Led the UI development of a priority zero project at Carvana, eliminating a critical vehicle registration bottleneck for customers, [regaining revoked dealers licenses](#) across the country.
- Led UI development and cross-functional collaboration to build a product that replaced Carvana's reliance on Salesforce, saving the company [~\\$2 million](#) annually in Salesforce license costs.
- Increased developer productivity by [~70%](#) by turning a side project into a new platform team, delivering custom tools, a React component library, and a UI platform.
- Chosen by director to lead 12 engineers, and product managers across several projects.
- Named [Intern Mentor of the Year](#) in 2019 after a rotational internship program.

Core Skills: React, TypeScript, JavaScript, Node, C#, .Net, HTML, CSS, GraphQL, REST, testing, documentation, Azure, MySQL, Kafka, observability & monitoring, design systems, accessibility, performance, cross-functional collaboration, leadership, user interviews

Fender (06/18 - 03/19)

Web Engineer leading an initiative to replace a legacy platform. I worked closely with designers and marketing teams to roll out new products and campaigns, and focused heavily on page performance to improve load times with catalog sites.

- Solely developed a web platform to replace a legacy Laravel and CMS based system.
- Introduced progressive web apps to the company, **cutting page load times in half** across catalogue sites.
- Maintained Fender Play, which had over **1 million** users active users.

Core Skills: React, JavaScript, Node, GatsbyJS, HTML, CSS, GraphQL, Salesforce Commerce Cloud, REST, testing, AWS, MySQL, Python

Berkadia (Berkshire Hathaway) (08/17 - 06/18)

Associate Software Engineer on an agile team servicing internal users. I was exposed to Scrum and Agile, and the software development lifecycle for the first time, and was able to make small amounts of impact. The engineering teams in Arizona were laid off during corporate restructuring.

- Developed an application that dynamically produced marketing materials for internal commercial real estate teams.
- Worked with stakeholders distributed across the United States, and India.

Core Skills: React, JavaScript, Node, HTML, CSS, REST, testing, Azure, MySQL, MongoDB, accessibility, performance, Agile Methodologies, Scrum