

# NICKOLAS AYRES

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## Summary

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- Led nearly a dozen projects over the past 5 years, resulting in [millions of dollars saved](#), and an average of [76% user productivity gain](#).
- Expert in building fault tolerant, scalable full stack applications, internal pattern libraries, and productivity tools.
- Champion of code quality and standards, focusing on testing, accessibility, and performance.
- Thrive in teams that foster a culture of sharing actionable feedback, a bias for action, and the freedom to experiment.

## Experience

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### [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 went on to become a [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 internal 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, MySQL, observability & monitoring, design, accessibility, design systems

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

**Senior Web Engineer** on a small, horizontally aligned team of senior engineers that owned a platform used by Terraform, Consul, Packer, Waypoint, Nomad, Vault, and HashiCorp Cloud Products teams, over a dozen web properties, and open source libraries. Laid off during corporate restructuring.

- Responsible for creating relationships with cross-functional partners, product discovery, writing RFCs, creating roadmaps, delegating tasks, advocating for accessibility, and shipping new platform tools.
- Designed, implemented, and deployed a markdown content check system, allowing HashiCorp content authors to define and enforce markdown standards upstream, reducing standards-based iteration time by [60%](#).
- Developed reusable UI components with NextJs, GitHub Actions & Workflows, APIs, and developer tools for all HashiCorp websites, including [developer.hashicorp.com](https://developer.hashicorp.com), which garners over [1.2 million monthly views](#).
- Created a system that dynamically adds all webpages to sitemaps, resulting in [1000s](#) of webpages added.

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

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

**Senior Software Engineer** on a 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.
- Created a horizontal web platform team from the ground up, developing bespoke, well-documented platform tooling, React component library, and UI gateway boosting developer productivity by [70%](#).
- 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, NGINX, Kafka, observability & monitoring, design systems, accessibility, performance, cross-functional collaboration, leadership

## **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, Contentful CMS, 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, Performance, Agile Methodologies, Scrum