

NICKOLAS AYRES

Experienced Software Engineer

hire.nickolas@gmail.com • linkedin.com/in/ayresnick • github.com/nayres • (831) 747-7956

Summary

- Reliable full stack software engineer with over 8 years of experience leading and developing top-priority, scalable applications at Carvana, HashiCorp, and Fender.
- Led the UI development of a priority zero project at Carvana, eliminating a critical vehicle registration bottleneck for customers.
- Led hackathon team at Carvana that demonstrated the replacement of a manual, paper-based, 150-point vehicle inspection with a natural language processing system.
- Created a design system-based, reusable component library at Carvana and successfully evangelized the importance of platform products to company leadership.

Experience

Monad Consulting (2/16 - 03/24)

Freelance Engineer

My most recent client (2024) is an early stage startup is currently a **MIT Sloan CIO Symposium top 10 finalist**. They solicited my services for a system that offers fully automated app modernization, and app migration capabilities for enterprise customers.

- Consulted on product roadmap, user interviews, UX/ UI design, API development, and front end development using React.
- Independently architected and shipped their self-service portal, schema-driven dynamic application builder, and internal CMS solution that allow enterprises to modernize legacy apps 99.98% faster than a team of developers.
- Built an internal component library based on MaterialUI used for dynamically generated application templates.

HASHICORP (10/22 - 06/23)

Senior Web Engineer

- Contributed to reusable UI components, GitHub workflows, APIs, and developer tools for all HashiCorp dot com sites, including developer.hashicorp.com, which has over **1.2 million page views per month**.
- Collaborated with product teams and designers company-wide to identify platform needs, write RFCs for product stakeholders, create product roadmaps, and lead development initiatives.
- Proposed, developed, and shipped a markdown content check system for HashiCorp documentation authors to define and enforce document standards upstream, reducing standards-based iteration by 60%.

CARVANA (06/19 -10/22)

Senior Software Engineer

- Created a horizontal web platform team from the ground up, developing bespoke, well-documented platform tooling and products.
- Led the UI development and cross-functional collaboration of a product that replaced Carvana's need for Salesforce, which has ultimately resulted in saving the company **two million dollars per year** in Salesforce licenses.
- Worked with UX teams to conduct user interviews, resulting in understanding user needs and boosting user sentiment and inclusivity, ultimately reducing product iteration by over 50%.

FENDER MUSICAL INSTRUMENTS (06/18 - 03/19)

Web Engineer

- Developed a web platform using React and Node to replace a legacy Laravel/ PHP based system.
- Developed new React/ Gatsby.js e-commerce sites, replacing legacy sites.
- Worked closely with marketing teams and UI designers to launch new products and campaigns.

BERKADIA - BERKSHIRE HATHAWAY (08/17 - 06/18)

Associate Software Engineer

- Developed an application that dynamically produced marketing materials for internal commercial real estate teams using React and Node.js.
- Gained a deep understanding of Agile methodologies and the software development lifecycle.

Skills

Technical Leadership, Distributed Systems Design, Cross Functional Collaboration, Conflict Resolution, Agile Methodologies, Handling Ambiguity, Strategic Thinking, TypeScript, JavaScript, Node.js, Python, HTML5, CSS3, React, NextJS, GraphQL, Webpack, Jest, Scalable Front End Experiences, Babel, UX Design, Unit Testing, Integration Testing, API Development, AWS, Azure, Full-Stack Development, Microservice Development, REST, HTTP, Protocols, Component Library Development, NX, TurboRepo, Monorepo Development, Developer Tooling, Developer Productivity Tooling, Application Level Monitoring, Service Level Monitoring, DataDog, Google Analytics, Splunk, SQL Databases, NoSQL Databases, PostgreSQL, DynamoDB, MySQL, MongoDB, Redis, Vercel, Drizzle, Remix