

Alex Carroll

Lead Engineer

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San Diego, CA

With experience leading high stakes, high traffic applications, I have worked in several disparate verticals. After successfully leading development and working with remote teams for six years and a decade of total experience, I am looking for a remote role where I can bring my experience and leadership skills to an exciting organization.

Skills

I have been exposed to and led development on various technologies in JavaScript/TypeScript across the stack, and in many other environments. Put simply, I am pretty versatile and happy with anything from Node.js to Serverless and Lambda and from vanilla JS to Angular and React and would be quite pleased to dive into new technologies.

Experience

Data Recognition Corporation / Lead Software Engineer

November 2017 - Present, REMOTE

Lead full-stack development of Central Office: a suite of applications to manage devices for schools and testing facilities, with up to 75,000 requests per minute from managed devices supporting 2.1 million daily and 400,000 concurrent users with well-tested and accessible code.

- Lead team to improve performance in response time by 23% and throughput by 22% in a high-profile, mission-critical application to support 400% increase in demand.
- Write applications utilizing AWS technologies including S3, CloudFront, Lambda, EC2, Auto-Scaling Groups, and CloudWatch.
- Rewrite legacy applications into modern technology stacks such as TypeScript and Serverless.
- Implement and lead development work on an Agile, cross-functional team. Cross-train and educate engineers on industry best practices and company standards.
- Support mission-critical applications on Windows, Linux, and macOS deployed to 30k machines with varying hardware.
- Work with DevOps, business process managers, database administrators, product owners, and support engineers to ensure customer satisfaction.

IBM / Software Engineer

January 2015 - November 2017, AUSTIN, TX & REMOTE

Developer and accessibility expert for several high visibility products in IBM Design including Bluemix: a PaaS solution, Planning Analytics: a financial tool for multinational corporations, and Watson Analytics as a lead developer on the marketing website.

- Led front-end development in Agile teams, planned sprints, performed code reviews.
- Mentored junior developers. Identified a need for a collaborative learning environment for front-end developers leading to the creation, funding procurement, development and implementation of a successful program called FEDucation.

- Cultivated relationships with distributed, multi-national teammates.
- Contributed to the first design systems at IBM Design.
- Developed across the full stack of MEAN and MERN applications along with other technologies.

Target / Interactive Developer

September 2011 - December 2014, MINNEAPOLIS, MN

Developer for Target's in-house marketing team, Target Creative. Lead developer for www.target.ca (now sunsetted), Target Cartwheel (now Target Circle), Target Registry, contributing developer on several internal projects to enhance www.target.com.

- Led work effort on high-touch, highly-trafficked websites and applications with up to 35 million unique weekly users meeting WCAG 2.0 AA standards.
- Increased return trips and total purchases for users of Target Cartwheel by 17%.
- Contributed to several Research & Development initiatives such as re-imagining online retail, changing product grids, and implementing non-public Twitter integrations.
- Consulted with colleagues as a subject matter expert on accessibility matters and interfaced directly with accessibility testers to solve complex issues.

Education

Art Institutes International—Minnesota / B.A.S, With Honors,

Web Design & Interactive Media

2011