# ANDREW STEPHENSON

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## PROFESSIONAL SUMMARY

I am an artist, with over 10 years of experience, who happens to be a forward-thinking software engineer. I look at a computer screen as a blank canvas; A canvas that I can create anything within Javascript, React, Node.js , Three Js, CSS, and more. I am seeking a position in the field of Software Development and Design where my creative ability and attention to detail will be utilized.

## EXPERIENCE

**February 2023 - October 2023**
**Resio | Chicago, Illinois - Hybrid**
**React, Typescript, Tailwind, Gitlab / Github ( multiple projects ), GitHub Workflows, Playwright, Data Dog, Storybook, Heap**

### Lead Engineer

- Facilitated and led efforts across DevOps and QA to initialize unit testing setup through react testing library and jest, increasing code coverage to 80% across all UI repos.
- Worked closely and often with the UX team to identify technical limitations, organize data visualizations, and plan future work.
- Led efforts adding playwright e2e testing to GitHub workflows, and unit testing minimum thresholds gates to PRs, improving deployment confidence.
- Developed a shared UI package with reusable components and led improvements in application performance, to increase the speed of code to production and reduce code duplication.
- Initiated standardization of a Common Components Architecture (CCA) approach leading to increased stability and consistency of the user interface and experience.
- Spearheaded major refactoring of the state management tree and use of react lifecycle hooks, during initial beta launch, resolving 50+ critical defects in one sprint, reducing overall ticket volume, increasing user adoption 10x, and gaining stakeholder trust.
- Utilized isomorphic hooks to calculate complex designs ensuring cross-browser, pixel-perfect, dynamic, and mobile-compatible layouts for all devices.
- Utilized web analytics tools such as Data Dog, Heap, and GCloud to monitor website performance and identify key areas for improvement, resulting in an overall faster "First Contentful Paint".
- Enhanced coding lifecycle and developer experience by offering valuable feedback and explaining the reasoning behind every decision, fostering a deeper understanding among other developers.

**August 2021 - December 2022**
**Project44 | Chicago, Illinois - Hybrid**
**React, Typescript, Material UI (styled-components), Nest / Node / Github ( multiple projects ), GitHub Workflows, Data Dog. Storybook, Single-spa, Snowflake**

**Technical Lead -** ( in addition to all senior eng. responsibilities )
- Led a team of 7 through day-to-day technical discussions and the development of 3 analytics dashboards for some of our biggest clients ( Nike and Apple ).
- Worked on any cross-team requests allowing the team to focus and better meet sprint goals

### Sr UI Engineer

- Spearheaded UI and Gateway for "Port Intel" a real-time insights tool for visualizing and analyzing port, terminal, and vessel activity using React, Typescript, Nest, and Snowflake. - full press list available on request:
  - Today, a hackathon project called " Port Intelligence",  tracks 700 ports, 5,000 vessels, and 350,000 containers across the globe. It has been used as a cited source in top publications such as USA Today and has since garnered company attention internationally winning several awards

for innovation. One of the most recent and notable is being named Fast Company "Next Big Things in Tech" "For tracking the 90% of goods that get to us by sea".

- Collaborated with data scientists, UX engineers, marketing, sales, and executives during development processes to confirm creative proposals and align business strategies for an interactive version of Port Intel on the Project44.com homepage

- Developed a node SDK, for connecting and querying Snowflake, that was used by all analytics teams to connect to the Snowflake data warehouse.

- Utilized appropriate sorting algorithms to quickly handle big data lexicographical and numeric sorting with great speed for tables and other data visualizations.

**June 2018 - May 2021**
**Cox Automotive | Atlanta, Georgia**
**React, Typescript, Styled Components + SCSS, Node / MongoDB / Github ( 7+ repos ), Jenkins, Data Dog. Newrelic, Storybook**

### Fullstack Software Engineer - Jan 2019
- Led development efforts of Adobe Analytics integration with AB testing platform Optimizely to give deep funnel analysis to AB tests

- Core contributor towards  A and B Testing and company redesign efforts including refactoring of React class components to functional components for the entire product and gaining several AB testing certifications

- Core contributor to successfully raising company conversion by 500%

- Collaborated with stakeholders during development processes to confirm creative proposals and design best practices.

### Sr UI Software Engineer ( Contract )
- Core contributor to company selenium WDIO and Browserstack e2e testing framework.

- Individual Contributor towards company Redesign Efforts.

- Translated UX and business requirements into elegant pixel-precise solutions.

**February 2018 - June 2018**
**Sabbatical ( Spotlight Casting App ) | Johns Creek, Georgia**
**React, Typescript, Styled Components + SCSS, Node / MongoDB / Github ( 7+ repos ), Storybook**

### Fullstack Software Engineer
- Developed mobile applications in Angular 2 and Ionic Framework utilizing Typescript as POC work to both learn and develop potential products.

- Implemented RXJS ( reactive extensions ) for Observable sequences to allow async data streams with out-of-the-box RXJS operators.

- Utilized Webpack for module bundling and .env configurations.

- Worked with Angular Directives, Singleton Services, and Compound Component Approach.

**December 2017 - February 2018**
**RightPoint | Atlanta, Georgia**
**Angular JS, Javascript, SCSS**

### UI Engineer ( contract )
- Developed a web SPA Dashboard tool utilizing web services and modular templating in Angular for Carolina Healthcare

- Implemented Pixel Perfect Design using Scss.

- Worked with team to scope and plan tasks for the Dashboard

**May 2017 - November 2017**
**GTRI ( Georgia Tech Research Institute ) | Atlanta, Georgia**
**Angular JS, Javascript, SCSS**

**Fullstack Software Engineer ( contract )**
- Led front and back-end development efforts of "TEFT" a NIST and HIPAA-compliant proof of concept written in Angular

- Development of database schemas and node services to support a notification service heavily used throughout "TEFT" built utilizing node, express, MongoDB along with cron jobs for scheduled notifications.

**November 2016 - February 2017**
**Sapient Razorfish | Atlanta, Georgia**
**Javascript, Nunchuks, SCSS, Node / Azure Cloud**

**UI Engineer ( contract )**
- Development of "Michelin" Event Pages using HTML, SCSS, and JS
- Development of "CBL Properties" 2017 corporate rebranding using an "Atomic Design" pattern for large but subtle variations in templates
- Development of CBL Corporate landing page http://www.cblproperties.com/
- Development of CBL Client Facing landing pages and respective corporate pages Using BEM
  http://www.imperialvalleymall.com/
  http://www.cblproperties.com/imperial-valley-mall

**November 2015 - June 2016**
**VML | Atlanta, Georgia**
**Angular JS, Javascript, SCSS, Github**

**UI Engineer ( contract )**
- Led development efforts of UI for AmericasMart Data Merging Tool in Angular JS. This system was used to merge multiple data points into a single data point and needed a UI to support the complexities of finding, sorting, and merging data.

- Collaborated with Tech Leads Weekly on the progress of the application.

- Led technical discussions around UI

- Creation of custom components and usage of CCA.

**November 2014 - May 2015**
**Infax Global | Atlanta, Georgia**
**Angular JS, Javascript, SCSS**


**Fullstack Software Engineer**
- Led development efforts of an airport terminal kiosk management tool

- Implementation of SCSS Theming and Angular API Service Layer


**June 2014 - September 2014**
**Sideways NYC | Atlanta, Georgia**
**WordPress, Angular JS, Javascript, SCSS, PHP**


**Fullstack Software Engineer ( contract )**
- Development of a custom responsive Email Template able to generate new flyers and promotional campaigns using WordPress ACF

- Integration of SIlverpop into WordPress for email campaigns auto send and tracking.

- Development of New Pages and Assets for Freehand Miami and SBE Hotels


**October 2013 - June 2014**
**New York Conservatory NYCDA**
**public Speaking**

- Trained in public speaking body and voice

**May 2013 - October 2013**
**MDSi | Alpharetta, Georgia**
**Kendo UI, Javascript, ES5, CSS**

### Jr. Engineer
- Utilized Kendo UI to build interactive and clean interfaces for AT&T
- Worked with and Learned about OOP, State Management and Scss Styling best practices

**September 2011 - May 2013**
**TSS Photography | Johns Creek, Georgia**
**Javascript, VB .Net, CSS**

### Tech Support / UI Engineer
- Provided technical assistance to franchises along with email support for any web related issues.
- Developed 2012 fall and 2013 spring registration pages for franchisee events in .Net, SCSS, and Javascript

Additional Experience available upon request.

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## EDUCATION

May 2012

Bachelor of Science - Information Technology
Georgia Gwinnett College, Lawrenceville, GA

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## ACCOMPLISHMENTS

- Developed an intense online game http://www.brickburst.com
- Author of @infini-ui/react-add-to-calendar - avg 3k/mth downloads
- Serving as a Board Member for the Alumni Board of Georgia Gwinnett College
- Served as President and Secretary for the Alpha Beta Theta Chapter of Phi Beta Sigma Fraternity Inc.
- 1st Place award winner for best poster and oral presentation in the fields of Mathematics, Engineering, and Technology at the PSLSAMP Conference and Judge selected abstract in the 2007-2008 HBCU – UP invitational conference where I presented research based on data collected from a robot I built with multiple light, touch, and rotation sensors to receive data.