

## Technologies and Languages

- Primary Expertise: React.js, TypeScript/JavaScript, Next.js, Material-UI, React Router, Redux & Redux Toolkit, HTML5, CSS3/SASS/SCSS
- Additional Skills: Product Development, Code Review & Testing, Git & Version Control, NPM, Yarn, TailwindCSS, Kotlin/Android, Swift/iOS, Java, Handlebars, Websockets
- Supplementary Tools: Webpack, Create React App/CRA, Bash, Google Tag Manager, Auth0, AWS Amplify, LeafletJS & Mapbox, Stripe, Twilio, Fastfile

## Professional Experience

**Co-Founder & Chief Product Officer** **Cirtual LLC** **Aug 2015–Present**  
New Orleans, LA / Charlotte, NC

- Architecting and leading front-end product development across multiple platforms including web, iOS, and Android
- Facilitating development lifecycles on projects across various industries
- Influencing company vision, crafting product milestones, and executing business strategies
- Conducting interviews with potential new hires as well as onboarding and mentoring front-end developer hires

## Projects

**LoadHive [Logistics]** **Apr 2020–Present**

- Leading web development with React.js, Typescript, React Router, and Redux to streamline carrier operations
- Spearheading Android development with Kotlin and XML to improve driver interactions with carriers
- Utilizing Material Design principles on both web and Android as scalable and maintainable component libraries
- Creating an advanced build process using Bash, Webpack, and Fastfile to give clients white-label applications
- Using Websockets to handle large amounts of real time driver updates and load postings
- Cutting daily dispatcher workload by 3.5+ hours by implementing automation and improving fleet management
- Implementing various other features such as login with AWS Amplify, driver mapping displays with LeafletJS, and custom email templates with Handlebars

**Focus Automated Equities [Finance]** **May 2016–Oct 2022**

- Used React, Javascript, React Router, and Redux to rebuild dashboards to monitor business performance in the stock market, significantly improving performance over the legacy jQuery based dashboards
- Utilized Websockets to handle significant streams of real time market data
- Processed large data sets using Java and rendering them in Highcharts to reduce load time of analytical graphs
- Enhanced a large legacy Javascript/jQuery codebase to streamline selection of possible trading neural networks

**SustainaBase [Sustainability]** **Aug 2020–Dec 2021**

- Provided technical guidance on technology stack and implementation approaches for architecting the product
- Planned and built new iterations of the users dashboard using React, TypeScript, Redux, and Material-UI

**DOCPACE [Healthcare]** **May 2016–Jul 2019**

- Worked on early iterations of the admin site for managing medical appointments using React.js, TypeScript, React Router, and Redux
- Implemented a mobile-first web page to allow patients to check the status of their appointments as well as reschedule if needed

**MySquad [Social]** **May 2016–Nov 2018**

- Built the consumer-facing iOS application using Swift, Storyboard, and ReSwift
- Maintained the consumer-facing Android application using Java and XML

<b>Co-Founder &amp; Lead Front-End Engineer</b>	<b>Phonelo Inc</b> Charlotte, NC	<b>Dec 2023–Present</b>
<ul style="list-style-type: none"> <li>• Leading the development of multiple web applications interfacing with Phonelo's AI-powered calling solution using Next.js, TypeScript, and Material-UI</li> <li>• Integrating with Twilio to support in-browser calling and writing scripts in VanillaJS to allow for embedding in-browser call buttons into external websites</li> <li>• Implementing various other features such as login with Auth0, third-party demo sites using TailwindCSS and Google Tag Manager, and an in-browser Handlebars editor for AI prompting</li> <li>• Contributing to business strategy, team management and product roadmap decisions</li> </ul>		
<b>Co-Founder &amp; Chief Product Officer</b>	<b>Bidoro LLC</b> Charlotte, NC	<b>Jul 2020–Aug 2022</b>
<ul style="list-style-type: none"> <li>• Led front-end development using React.js, Typescript, React Router, and Redux to build a platform for real estate wholesalers to post properties for potential buyers</li> <li>• Implemented a WebGL mapping solution using Mapbox to performantly display large, filterable sets of properties</li> <li>• Integrated several other third-party libraries such as Stripe for payment processing, Auth0 for authentication, Twilio for in-browser chat between users, and Mixpanel for KPI tracking</li> </ul>		
<b>Software Engineer</b>	<b>High Point University</b> High Point, NC	<b>Dec 2014–May 2016</b>
<ul style="list-style-type: none"> <li>• Developed an iPad app using Swift and Storyboard to simulate market conditions for economics classes</li> </ul>		
<b>Intern</b>	<b>Woodbourne Solutions, Inc</b> Germantown, MD	<b>Jun 2013–May 2015</b>

## Education

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- **B.S. Computer Science**, High Point University · High Point, NC **2012–2016**
  - **B.A. Mathematics**, High Point University · High Point, NC

## Extracurricular

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- **Advisory Board Member (2023–Present)** – Helping provide educational direction from an industry perspective to the Webb School of Engineering at High Point University
  - **Roolet (2017–2018)** – An iOS app written in Swift and Storyboard to randomly call or facetime individuals from a list of friends you provide
  - **Zipsy (2015)** – A location-based, photo sharing iOS app written in Swift and Storyboard where users can post photos of things happening around them; the catch is that they must pick at least 3 friends to reveal their identity to before posting
  - **Album Pop (2014–2015)** – An iOS app written in Swift and Storyboard that can turn any photo into a music album or mixtape cover, has received over 100,000 downloads
  - **Voting Theory Research (2013–2014)** – Writing programs in Java to help simulate elections of various types and search for monotonicity issues in Instant Run-off Voting (IRV) with a few different methods for a given data set. Results published in the Journal of Representative Democracy