

**Technical Skills:** JavaScript (6y), TypeScript (6y), React (6y), React Native (3y), Python (3y), Node.js (5y), Express, GraphQL, Next.js, JWT, OAuth, Redux, AWS, Git/GitHub, CI/CD, PostgreSQL, MySQL, MongoDB, Firebase, BigQuery, Redis, Selenium, Jest, Cypress, React-Testing-Library, Webpack, Vite, Expo, Chart.js, Bcrypt, Tailwind, MUI, Figma, HTML5/CSS

## EXPERIENCE

**Auda** *Music Based Social Network (iOS & Android) | Full Stack Software Engineer* **2024 - Current**

- Architected and developed a feature-rich native mobile app for both iOS and Android platforms leveraging React Native, TypeScript, and Expo Router; fostering music sharing, artist discovery, community, and business growth opportunities.
- Engineered and deployed a Node.js/Express server to manage HTTP requests for Spotify API, significantly improving code organization and clarity; integrated middleware design to effectively process and transmit precise responses to clients, elevating system performance and allowing access to thousands of songs, albums, artists and playlists.
- Spearheaded the successful integration of multiple APIs to elevate user experience and functionality on Auda's platform.
- Employed Google Cloud storage to architect a scalable data system, resulting in a 50% decrease in data retrieval time, while ensuring control and security over user information to maximize horizontal and vertical scalability to support growth.
- Implemented Redux for efficient global state management, enabling seamless data utilization and maintenance with the app.
- Developed a Figma vision board to uphold superior standards for UI/UX decisions and system design flow of the app.
- Adhering to test-driven development practices to fortify app security and mitigate potential technical debt in the future.

**dashQL with OS Labs** *GraphQL Caching Solution | Full Stack Software Engineer* **2023 - 2024**

- Launched an NPM package that solves the issue of over/under fetching, leading to an increase in performance speed by up to 50% for clients who used dashQL.
- Built the website using React and Typescript to manage state and enhance overall structure for showcasing our demo by employing reusable components to selectively manipulate the DOM, leveraging the virtual DOM to boost performance.
- Utilized React Hooks to streamline complex functionality, simplifying the codebase and creating reusable functions while delivering pure and maintainable code, ensuring future compatibility and scalability.
- Deployed Node.js/Express server to efficiently handle HTTP requests to a single GraphQL endpoint, utilizing its middleware pattern to cache unused data in a Redis store and track performance statistics to send back to the client.
- Optimized GraphQL's abstract syntax trees by bundling them to deconstruct and cache GraphQL queries. This implementation establishes a comprehensive cache system, enhancing the likelihood of cache hits for specific queries.
- Configured GraphQL server to consolidate multiple API requests into a single query, facilitating efficient retrieval of data.
- Integrated PostgreSQL to store data, aligning with GraphQL's preference for relational databases.
- Conducted unit and integration testing using Jest to preemptively identify any issues with the server and website.

**Press Sports** *Sports Social Network | Co-Founder & Head of Data Analytics* **2017 - 2022**

**Awards:** Named a member of "Forbes 30 under 30 - Social Media" in 2022, and *Atlanta Inno: 25 under 25* in 2020.

- Managed team of 15+ employees, driving user growth to 300,000 users with a 4.9-star app store rating on 11,800 ratings.
- Designed our interactive website with React, integrating SEO best practices to enhance visibility and state management to structure the platform for seamless display of user data such as videos and profiles with employed reusable components.
- Collaborated with engineering team to develop React Native mobile app.
- Directed product and worked with team to shape decisions and strategy, leveraging expertise in UI/UX and A/B testing that led to 60% Day 1, 55% Week 1, and 25% day 30 retention, and growth of 300,000 users.
- Merged SQL and BigQuery for early-stage analysis and secure management of our extensive user database.
- Expanded database infrastructure to incorporate MongoDB and Firestore, ensuring flexibility in managing schema-less data.
- Implemented Python and Selenium for web-scraping to extract data and information that may be otherwise unavailable.

## EDUCATION & CERTIFICATIONS

**University of Mississippi** *Oxford, MS | BBA, General Business* **2014-2018**

**Georgia Institute of Technology** *Atlanta, GA | Software Engineering* **2022**

## PUBLICITY & MEDIA

- 'UI/UX Design: Best Practices for Success' - Tech Talk series with Bractlet, 'Swinging for the Fences' podcast (2) with Clevertap, articles from Forbes, Yahoo!, Sportico, Hypepotamus, Sports Business Journal & others.

## INTERESTS & HOBBIES

- Attending sport events to watch my team probably lose, jamming to music, playing piano as if I'm Beethoven (not close), playing golf to hopefully not lose 10 balls, boxing, tennis, softball, reading (self help), coaching baseball team and being yelled at by 12 year old kids.