

Ryan Thomas Donald

Junior Full-Stack Software Engineer, Brewer, & Musician

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Creative problem solver with the ability to pick up new languages and technologies quickly as I grow my skill set. Prior to learning how to develop full-stack web apps, I've worked as a craft beer brewer while also continuing to freelance as a professional musician, always looking for the next challenge.

Software Development Skills

JavaScript, TypeScript, Python, Node.js, React, Express, Redux, Chart.js, RESTful API, PostgreSQL, Sequelize, Bootstrap, Material UI, HTML, CSS, Adobe Creative Suite, JS-DOS, Passport, JSON Web Tokens, MS Azure

Education

DigitalCrafts | Certificate in Software Engineering | Atlanta, GA

September 2021 – January 2022

- Software engineering training program covering full-stack web development centered around JavaScript, including an emphasis on cutting-edge frameworks like React/Redux and server-side technologies including Node.js, Express, and PostgreSQL.

Atlanta Institute of Music | Cert. in Music Performance | Atlanta, GA

April 2006 – March 2007

Savannah Arts Academy | H.S. Diploma in Music | Savannah, GA

August 2000 – May 2005

Software Development Portfolio

The IntroVerse | <https://www.youtube.com/watch?v=iHgATn8byhl> |

January 2022

| <https://github.com/ryanthomasdonald/introverse-client> |

- Description/Features: An API aggregator which helps the user avoid various locations during peak hours.
- Roles/Responsibilities: As a member of a four-person, Agile-methodology team, I designed the logo, helped with designing/coding the layout, did all Photoshop work, built the user quiz functionality, linked all API data to Chart.js, and got the Doom easter egg running.
- Built with: Google APIs, React/Redux, TypeScript, Materialize, Chart.js, JS-DOS, PostgreSQL/Sequelize

Mario Kart Chart | <https://mario-kart-chart.netlify.app> |

December 2021

| <https://github.com/ryanthomasdonald/MK8-Racer-React-App> |

- Description/Features: A small, yet robust utility which helps demystify the racer assembly process in Mario Kart 8 Deluxe. All 13 data points used by the game's code are fully researchable.
- Roles/Responsibilities: Made entirely by me in one week, I hand-built the database over a weekend, then went to work writing every single line of code as well as making/editing every visual asset with Photoshop.
- Built with: JavaScript, HTML5, CSS3, Bootstrap, React/Redux, Chart.js, Photoshop.

birDB | <http://birdb.io/> | <https://github.com/ryanthomasdonald/birDB-1>

November 2021

- Description/Features: A birdwatching journal and social media site allowing the user to learn about recent birds sighted, add field notes and images to a personal birdwatching journal, share sightings with others, and chat about similar interests.
- Roles/Responsibilities: As a member of a four-person, Agile-methodology team, I designed the logo, implemented the database upload functionality, and linked the external API to store image files remotely.
- Built with: JavaScript, Node.js, PostgreSQL, Express, Sequelize, HTML5, EJS, CSS3, Bootstrap, Socket.io, Passport, Bcrypt, Formidable, and Cloudinary API.

Professional Work Experience

Waterfield Technologies | Solutions Developer | Remote

May 2022 – January 2023

- Built cloud-based phone systems using Twilio's Node.js-based architecture for numerous clients
- Highlights include writing payment processing functionality for a more-than-century-old seed distributor which flawlessly processed over \$250,000 of sales within one month of launch and building a standalone audio player from the ground up for a bank's voice prompt manager utilizing Microsoft's Azure TTS SDK

Wrecking Bar Brewpub | Brewer/Head Brewer | Atlanta, GA

May 2013 – August 2021

- Started as a dishwasher with zero prior service industry experience and worked my way to a full-time brewing position in six months
- Won a silver medal at the Great American Beer Festival in 2018
- Took over as managing Head Brewer in 2019 and guided the business through the 2020 pandemic shutdown as well as the pub's 10th Anniversary, a notable achievement in the service industry

Freelance Musician | Electric/Double Bass | Atlanta, GA and Worldwide

March 2007 – Present

- Since graduating, I've been a working musician in the Greater Atlanta area and my original band has become financially viable, conducting numerous full-US tours as well as occasionally gigging abroad
- Endorsed by a number of major, internationally-distributed gear manufacturers