

Tyler Jones

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SKILLS

Languages: JavaScript, HTML, CSS, TypeScript, Java, Kotlin

Frameworks: React, Next.js, React Query, Redux, Material UI, Spring Boot, Apache Solr, Backbone.js

Databases: MySQL, jOOQ

Cloud: AWS (S3, CloudFormation, Lambda)

Tools: Git, JIRA, Bitbucket, React Testing Library, Jest, WAVE, axe-core

WORK EXPERIENCE

Software Engineer | Lyrasis | *Remote*

July 2023 - present

- Lead front-end development for 10+ projects across teams
- Implement and maintain RESTful API services in Java, Kotlin, and Spring Boot which power high-volume content ingestion and delivery
- Improved accessibility (a11y) for multiple projects and teams by ensuring conformance to WCAG 2.1 AA and AAA guidelines using WAVE, axe DevTools, and manual testing (VoiceOver)
- Optimized search performance with Apache Solr by refactoring search queries and addressing caching issues resulting in an increased facet delivery from an average of 7 seconds to 1.5 seconds (79% faster)
- Integrated International Image Interoperability Framework (IIIF) with our content delivery network using AWS CloudFormation and S3, increasing the size and speed delivery of high-resolution images
- Contributed to annual, national independent author contest by improving search for winning titles helping lead to a 43% increase in submissions over a 2 year period
- Collaborated across teams to implement web-based e-reader for ebooks and audiobooks built with Next.js and TypeScript helping secure a contract bringing in 800+ new customers

Junior Software Engineer | Lyrasis | *Remote*

Mar 2022 - July 2023

- Maintained and built front-end applications related to the ingestion and delivery of multimedia content, including ebooks, audiobooks, images, and videos
- Modernized legacy ingestion dashboard using React and Material UI which reduced the content upload workflow from a synchronous, 4-page process to a single, asynchronous flow with automated processing updates
- Employed React Router to establish tiered and authenticated access to modern ingestion dashboard allowing customers to institute role-based access for certain users
- Internationalized (i18n) several projects to support Arabic and Spanish which paved the way for first Middle Eastern/international customer

Web Developer Intern | Georgia Institute of Technology | *Atlanta, GA*

Aug 2020 - Feb 2022

- Designed and built applications for the Georgia Tech Library's Archives and Exhibits to help better expose the library's collections
- Built a digital art gallery with Express.js, jQuery, and Bootstrap for annual campus-wide student art exhibit
- Created a Twitter bot with Express.js exposing digital collections for the Georgia Tech Library's Archives

EDUCATION

Kennesaw State University – *Graduate Certificate in Computer Science Foundations*

Dec 2021

Emory University – *Master of Theological Studies*

May 2017

Maryville College – *Bachelor of Arts in Religious Studies*

May 2015