AN ACCESSIBLE AND SCALABLE DASHBOARD

THE
NATIONAL
ARCHIVES

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ENSURING APPS ARE ACCESSIBLE TO EVERYONE!

THE CHALLENGE:

JR were approached by the National Archives to take a Shiny prototype to a WCAG 2.1 level AA compliant web application, and provision a highly scalable backend for creating parameterised PDF reports.

THE PROJECT:

The app was to migrate from Shiny to a plumber API with a static front-end to provide a lightweight, WCAG-compliant solution. AWS Lambda was used with a custom R runtime to provide a highly-scalable back-end.

THE RESULT:

JR created an R package that provides a plumber API object for deployment with all of the functions to generate charts, data validation, reporting and model predictions. The static front-end created using HTML, CSS & JavaScript, is now navigable by keyboard and screen reader users.

WCAG 2.1 COMPLIANT

AWS LAMBDA

SCALABLE BACKEND

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