Master Performance Monitoring, Error Reporting, and Debugging of Components

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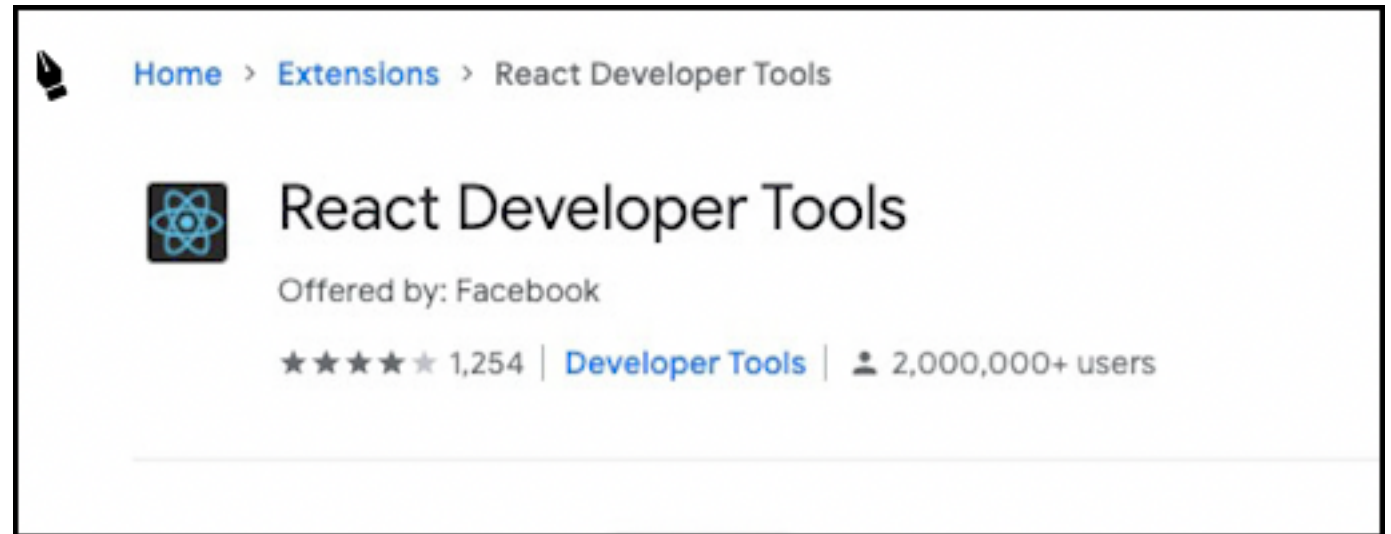ReactAtScale.com   @pkellner   linkedin.com/in/peterkellner99

Basics of React Developer Tools

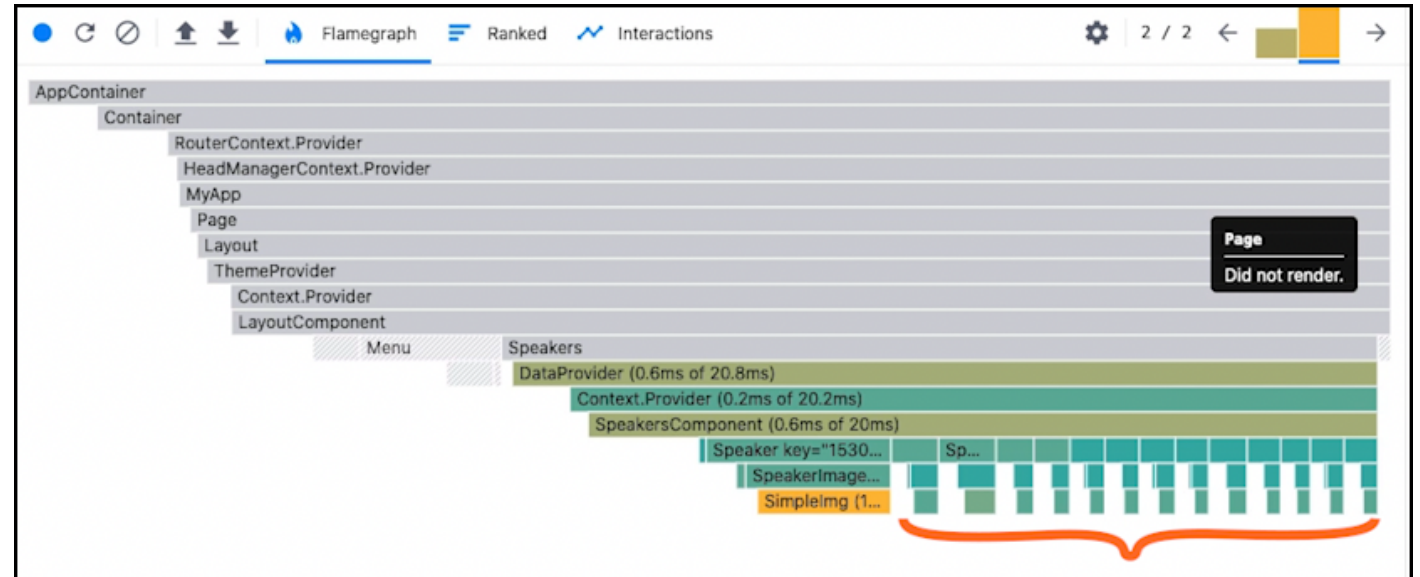# Solving the component over-rendering problem

Handling production time errors with Error Boundaries

Basics of React Developer Tools

Solving the component over-rendering problem

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Solving the component over-rendering problem

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```
const Speaker = React.memo((props) => {
  return (
    <ErrorBoundary>
      <SpeakerComponent {...props} />
    </ErrorBoundary>
  );
});
```

Browser Debugging Tools

Standard debugger

Speaks HTML

React developer tools

Speaks React

Error Boundaries

Error boundaries are React components that catch JavaScript errors anywhere in their child component tree, log those errors, and display a fallback UI.

Summary

React Developer Tools basics

Improve performance by reducing over-rendering

Implementing Error Boundaries for a better browser experience

Coming Up Next

Improve REST error handling

Implement an Optimistic UI

Delivering error message with toast