

Mobile React Native Application

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About Us:

Eggplant provides a wide variety of systems to validate software; from mobile devices, to desktop applications, servers, missile control systems, and in-car infotainment systems. Our tools cover functional test automation, performance testing, load testing, test management and lab management. The Eggplant test automation tools are vital to test engineers at hundreds of customers in dozens of countries. If you enjoy working with a nimble, flexible, collaborative, and fun team, then you'll love it here at Eggplant.

Project Summary:

Design and build a mobile application that is cross-platform (iOS and Android) that can be used to verify standard UI functionality across both platforms. Using the React Native framework you'll work with the internal teams to ensure your application takes advantage of all input gestures and interface paradigms for testing.

Details:

Eggplant functional test automation works entirely through the user-interface, sending primitives like tap and keyboard events as well as complex gestures like shake. This allows Eggplant scripts to automate any device or system regardless of the underlying technology or platform. It also allows for applications to be tested by product and domain experts who aren't familiar with the underlying object structure. In order to accomplish that we have a control layer for both Android and iOS that needs to be verified against every new release of a mobile operating system.

To validate all of these applications we need a generic application that is common across both platforms, has lots of gestures and UI features, but behaves in a very consistent way so that it can be used as part of our continuous testing process.

In addition to writing the application and deploying it on test devices we'll work through integrating the product with our development automation pipeline (Jenkins).

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Size:

2-4 people

Technologies Used:

- React Native
- Javascript

Student Benefits:

- Freedom to explore and run a complete project life-cycle.
- Ability to work with common industry technologies like Amazon, Salesforce, and Ruby.
- You'll be working in close collaboration with the CIO and Director of Engineering and get exposure to modern business and engineering practices (Scrum/Agile)
- For this project you can work remotely. Remote communication tools of the company will be made available to you.
- Possible internship positions following the project.

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