

My role was majorly focused in designing Frontend architecture using React/Redux environment in London and Scotland. I got opportunity to create and develop more than 10 React projects from scratch to production covering its DevOps pipeline and quality checks. Last Project was to write APIs in Python following all the contracts developed in NodeJS code base.

All React architectures have included following:

- 90-100% unit test coverage
- 0 sonar issues
- 0 lint issues
- 90% Integration Tests
- High page load time
- 0 security issues
- AA accessibility
- DevOps pipeline to force these quality checks stages

My team developed a React Native project that consumed few React web apps and Web-app consumed many hooks of React Native to implement mobile/tablet native behavior like signature, print etc.

I also got an opportunity to develop an application in NodeJS where expectation was to migrate APIs in Loopback from legacy system.

My eleventh project which was my last project in Lloyds Banking Group was most exciting and challenging project for me. I have to migrate NodeJS based APIs to Python. Challenges were not just limited to that Python was a new learning for me, but we also do not have information about existing APIs, and none has information around the 2 years old codebase. We solved this by deep diving into application and codebase and then validating the requirements from business.

I had used After JS and styled component for server-side rendering in a POC application.

I also enjoyed using AWS for one of my learning projects where I used AWS Elastic and AWS EC2 to setup Jenkins Pipeline and run a React application.

Small innovations:

- Wrote Docker file that creates a docker image of node modules and used it in deployment process in all remote builds. In big projects it reduced build time from 3-6 minutes in each build.
- Created a docker container to run front-end codebase. Advantages include reduced machine set up time of a new developer and consistent build environment for all.

Training Courses:

- Undergone 4 weeks training course on DevOps covering topics Docker, Kubernetes, Jenkins, NGNIX, shell scripts etc.

I enjoyed contributing to the community and in open source project. Delivered sessions in various meetups and within the organization on "React Performance", "Preact", "Web Performance", "Unit Test cases", [Cypress.io](https://davidantrier.github.io/cypress.io/) for Integration tests etc.