Proof of Concept

Internal Communicator-Siemens Corporation

Step 1: Prove the Need  
After the surge of requirements for remote work, communication through internet has become crucial. However, an internal communicator could make the data secure, faster, inexpensive and more useful for remote work. The need for this project is to build an internal communicator to make the data secure, fast, real-time and more useful for remote work at Siemens Corporation.  
  
❖ Step 2: Map Pain Points to Solutions & Get Feedback  
-> Data not secure  
-> more expensive for a large number of users for using third party subscriptions  
-> third party subscriptions did not allow specific features of tracking employee metrics  
  
  
❖ Step 3: Prototype your Solution & Test  
• 3.1 Analyze Requirements  
The requirements for the project are:-  
1) Messaging tool for employees  
2) Conference calls  
3) Data sharing facility  
4) Real-time communication  
5) Dashboard for tracking employee engagement in work, when remotely done  
  
• 3.2 Design  
The design consists of a dashboard after employee logs in. This whole  
  
• 3.3 Coding / Implementation  
The features and application were implemented in cross-platform for which I used React and React Native.  
HTML5, CSS3, JavaScript, ReactJS, Styled Component, RESTful web services, JIRA, Jenkins, GitLab, Gulp, Jest, WebPack, ESLint, Babel, Agile, Scrum, VS Code, AWS S3, Jest, Enzyme, JSX  
  
• 3.4 Unit Testing  
Jasmine Karma Mocha  
  
• 3.5 Integration Testing  
Jasmine  
  
❖ Step 4: Create a Minimum Viable Product  
The minimum viable product was created consisting of features to make user studies of employees. We figured out that the product was really required and it made the system more secure and inexpensive.  
  
  
❖ Step 5: Demo to Client & Get Feedback  
According to the feedback we updated some design changes like getting a special conference call button in the screen after login rather than going into the chatbox and selecting the call button  
  
❖ Step 6: Design a Roadmap  
A product roadmap was built for this product. JIRA was used.