Name : Jegan Maharajan

Role : Full Stack developer (B2)

2021 YEA appraisal discussion:

1. Individual performance – List of notable work done.
2. ***BEIS Programme: (Contribution from January 01 2021 to May 31 2021)***

**Delivered successfully BEIS programme. Single handed front end development for about 200+ screens by accomplishing the following remarkable deliverables**

* + - Implemented Server side rendering
    - Implemented MVC design pattern
    - Implemented sonar cube right from the scratch
    - Implemented complex REST API integration for front end pagination, sorting & filtering. Algorithms were written in Express.JS
    - Implemented JEST unit testing framework
    - Implemented complex EXPRESS.JS/Nunjucks platform
    - Implemented WCAG 2.1 – AAA,AA,A international standards with zero defects on government sector expectations (gained client recognition as well)
    - Implemented accessibility testing using NVDA software for cognitive difficulties
    - Implemented complex GOV.UK design patterns across all 200+ screens
    - Played a key role on production roll out as single developer from Azure devops release pipeline and build pipeline
    - Implemented Azure identity management in the front end node.js platform (Azure AD Connect)
    - Implemented single sign on facility in both portals ( Transparency public search portal & Transparency admin portal)
    - Implemented CORS policies
    - Implemented fixes on CSRF/SQL injuction/ Click Jack issues (NFT issues)

***Please have look : These portals are developed by me as part of BEIS programme***

* Transparency DB Admin Portal:  <https://github.com/UKGovernmentBEIS/transparency-db-admin-portal>
* Transparency DB public search portal:  <https://github.com/UKGovernmentBEIS/transparency-db-publicsearch-portal>

1. ***Fees&Pay – Performance Engineering Team (PET): (Contribution from June 01, 2021, to July 30, 2021)***

Issue analysis on the following task

* + - Payment reference duplicate issue
    - Bulk scan failure analysis
    - Database fix on the duplicate DCN issues
    - Payment reporting email notification issue
    - Retrieve payment group issues
    - Gov.uk card payment status code 500 issues
    - Frequent failures on 500 with AAT/PROD analysis

1. ***Fees&Pay – Fees register project: (Contribution from August 01, 2021, to August 30, 2021)***
   * + Implemented complex CSR excel sheet download templating in fee register project for different group level approver categories (this was pending within developer community for a long time due to complexity with Nunjucks platform). Implemented the solution with very short span of time considering the criticality of the release.
2. ***Fees&Pay – Ways to pay project: (Contribution from September 01, 2021, to November 30, 2021)***
   * + Impressive start up with LLD design progress along with tech lead. Shown excellent attitude towards completion of LLD throughout the life cycle of the project
     + Independent contribution on prototyping the new way of implementing GOV.UK payment process
     + Prepared excellent GOV.UK pay documentation for the welfare of developer community
     + Contributed implementation of card payment process using gov.uk payment in way to pay project
     + Contributed to PBA payment process defect fixes
     + Implemented the Azure service bus infra structure using DEVOPS Terraform scripting
     + Implemented complex CPO integration using Azure service bus topic messaging services
     + Co-ordinated for azure message service communication using event-based payment status update to Fees&Pay services
     + Complex design and implementation delivered on dead letter queue process and delivered re-play mechanism on the message communication.
     + Unit testing coverage has been covered more than 80% on all the deliverables of ways to pay project.
     + Fixed all the observations and defect by co-ordinating with automation testes & BA’s & Tech lead
     + Irrespective of dev ops background, the issues on pipeline Configuration/Stage/build/Release have been fixed in ways to pay project.
     + Co-ordinated with IDAM, OPENID connect & CPO architects for implementing the configurations and client subscription/whitelisting. Successfully delivered too.
     + Implemented the Azure key vault configurations wherever needed on the ways to pay project.
     + Co-ordinated and deployed the code in most of the development environments for ways to pay project. Maintained central repository by following traditional branching/merging approach in GIT repository.
     + Fixed all the issues with docker container/Jenkins/Kubernetes relating to ways to pay deployments.
     + Created and deployed , the ccpay-scheduled jobs and Kubernetes Cron jobs for messaging services
3. ***Fees&Pay – Refunds notification project : (Contribution from December 01 2021 to Till date)***
   * + Development has been completed Kubernetes cron job for refund notifications project
     + For welfare the development team, the documentation also created right from the scratch to deploy Cron job in Kubernetes

* 1. Learning (External certification and CCA completion status)
     + Have achieved 100% Skill up goal for this year of learning completed – External AZ-900 Azure certification has been accomplished.
     + Cognizant eLearning for Kubernetes (CKAD) has been accomplished. Due for external certification on December end.
     + Cognizant eLearning completed for Spring Boot MVC, Hibernate , Spring Data – JPA , Spring JDBC
     + Cognizant eLearning completed on 24 design patterns in JAVA
     + Cognizant eLearning completed on CQRS design pattern and Saga choreography design pattern
  2. If you have carried out any activity which in your view -You gone above and beyond·
     + Handled backup tech lead for ways to pay project team and managed to keep the LLD progressive update during tech lead absence. Clarified all the team member queries by co-ordinating with BA’s along with my deliverables.
     + Considerable contribution to fix the production issues related to ccpay functions node devops issues in fees&Pay
     + The complexities around the scheduling the Cron job has been broken now and made very clear documentation to deal with it.
     + Implemented event sourcing design pattern using Azure service bus on messaging queue system for ways to pay project
     + Implemented complex event sourcing Azure Client services for re-processing the dead letter queue process
     + My Contribution to fix the dev ops issues on pipeline Configuration/Stage/build/Release are “example of excellence” in ways to pay project.

* 1. Account level contribution (Recruitment, Training, Operations support etc..)
     + Trained the new comers within fees&pay team