Create and protect revenue. Control and reduce costs through CI/CD

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Continuous integration to achieve a regularly updated mainline for the development team

With continuous integration we are able to manage the code from all team members working to develop the UdaPeople product into a single shared mainline, and during this step we will be able to catch compile errors and carry out unit testing very soon after merge. This will in fact reduce cost, as any compile error in new code is seen and rectified quickly. Problems such as bugs and time wasting on fixes would be avoided from unit tests helping us to avoid cost from issues that would occur during production.

CI/CD: Better security and less human error

With CI/CD we will be better prepared to locate security vulnerabilities and in doing so avoid costs that may arise from us trying to fix the security holes in the future. We will be able to automate all phases from compiling UdaPeople product code to production. This will help us avoid costs as we will reduce human error and speed up production. Costs are also reduced with automation of infrastructure clean up as we will only spend on what we need.

Continuous Deployment: Deliver value regularly with automated deployments

We will be able to deploy to production faster and more regularly, so new features and releases of Udapeople that our clients want will be delivered early increasing their satisfaction in us and will in doing so increase our overall revenue.

Deployment to production will also be automated as well as for smoke tests so builds will reach clients quickly and effectively. All attributing to further growth in reveenue due to less crashes and reduced downtime.

THANK YOU

A huge thank you for considering this proposal into adopting CI/CD for the Udapeople project