

UdaPeople Auto-Deploy CI/CD pipeline

Our Understanding

UdaPeople is a revolutionary concept in Human Resources which promises to help small businesses care better for their most valuable resource: **their people**

Our clients want our support in creating a development to deployment process that **minimizes human error and time to deployment** while **maximizing product availability and reliability**

Our Proposed Solution: Building a CI/CD Pipeline for UdaPeople

CI/CD: What and Why

Building an automated pipeline that requires minimal manual intervention to combine, test, and deploy code to production

Continuous Integration

- Code fragments are merged into a single stream early and often
- Each addition to the central stream is vetted by automated tests
- Ensure the central stream always has good, working code

Continuous Delivery

- Code from the single stream built and tested in production
- Automated checks alert developers as soon as an issue arises/suspected
- Ensure we always have a working, production version

Continuous Deployment

- All code that passes production tests is ready to be deployed to the customers
- Can be configured to deploy instantly or at specific periods without manual intervention

CI/CD and UdaPeople



- UdaPeople currently has 3 independent development teams
- Continuous Integration will ensure every new code fragment is working properly and integrates well with the existing code
- Tool of choice:
Github and CircleCi



- Automated Pipeline ensures the entire UdaPeople product can be deployed at one click
- People hours spent on client specific personalization, driving up customer satisfaction.



- CI/CD makes UdaPeople a reliable, consistent, and repeatable product.
- Eliminate possibility of human error through automation. You get the same product from a pipeline, every single time.

Benefits: Revenue

01

Avoid Cost

Rigorous automated test ensure issues are caught early and fixed before they compound.

02

Reduce Cost

Reduce engineer hours spent on development, vetting and testing.

03

Increase Revenue

Go from production completion to deployment quicker

04

Protect Revenue

Automated failure responses to ensure working deployment at all time