# Udapeople & Auto-Deploy

# Auto-Deployment Superpowers

## **Our Understanding**

As revolutionaries in the Human Resources industry, Udapeople continues its journey to the cloud for innovation and agility. Udapeople is looking for support to rationalize their portfolio of applications in order to help determine the feasibility, total cost of ownership, and migration cost of migrating them to AWS.

Udapeople wants to leverage industry best practices to design & implement *the foundation and operating model* to accelerate transformation and service delivery:

- Design & Implement AWS Landing Zones to support migration efforts
- Create reusable assets that can be shared across client
- IT Security should inform controls and policies as opportunities to introduce automation
- Accelerate the use of AWS cloud native services where feasible as part of the initial migration

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# What is Continuous Integration & Continuous Deployment?

## Why are they valuable?

#### ACHIEVE

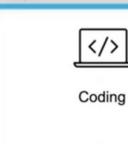
Deliver Valuable working software more frequently

Users can begin using new software / features right away and start generating value

#### **DEPLOY AUTOMATION**

Automation is the path to continuous improvement

Fail Quickly













Code Review

Merge/ Integrate

Compile/Lint

Run Unit Tests

Run Integration Tests















Verify Dependency Security

Deploy to Test Environment

Team Test

Deploy to Client Test Environment

Client Test

Create Infrastructure



Configure Infrastructure



Deploy to Production



Smoke Test in Production



Rollbacks



Promoting to Production



Celebration

## **Create** Revenue

Users will have access to new features as they are deployed, helping promote engagement

# **Control** Cost

Fail often and quickly

Save Developers time they can use to build new features

# Reduce Cost

**Prevention vs. Reaction** 

Do so much with so little effort

# Questions?