

CI/CD

The benefits and why we need it

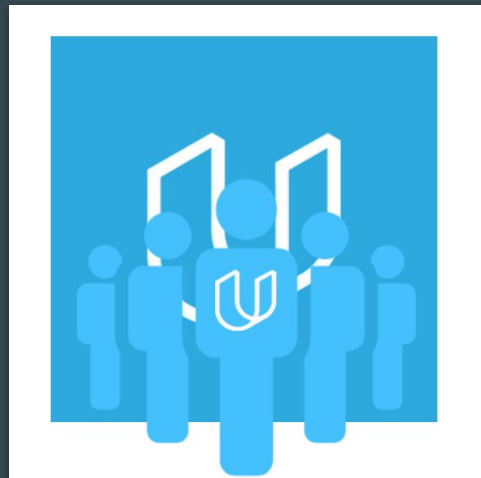
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Our current situation

Last Friday:

- Deployment to Production failed (yet again)
- Our service was **unavailable for 5 hours**
- Problems during the rollback
- Took the Dev Lead the whole weekend to fix the problems

→ Big waste of time, resources and morale



Considerations

This needs to be avoided at all costs in the future

- Consideration: we will hire a DevOps team or dedicate a part of the dev team to CI/CD tasks
- Requires an investment
- But, the following benefits outweigh the initial costs



Benefits of CI/CD



With a dedicated CI/CD team we will:

- Catch bugs and errors before we even try to deploy
 - Will save our developers time and headaches and deliver a cleaner product
 - We're avoiding and reducing costs
- Deploy to production not only faster but also more frequent and automatically
 - Our new features will be available to the customer quicker and more reliably
 - Happy customers will increase the revenue and save on marketing costs
- Have smoke tests and automated rollbacks in emergency cases
 - No longer need to rollback manually, wasting time and costing us money while the service is down
 - A service that always is in a working state our revenue is protected

In Conclusion

Additional benefits like better security, better monitoring and cost optimization of our cloud architecture also come with competent CI/CD strategies

But most importantly:

- Less mistakes
 - Customers will be satisfied and more confident in us
 - More revenue
- Smooth development
 - Developers will be more motivated and happy with their work
 - Increase in productivity and product quality

