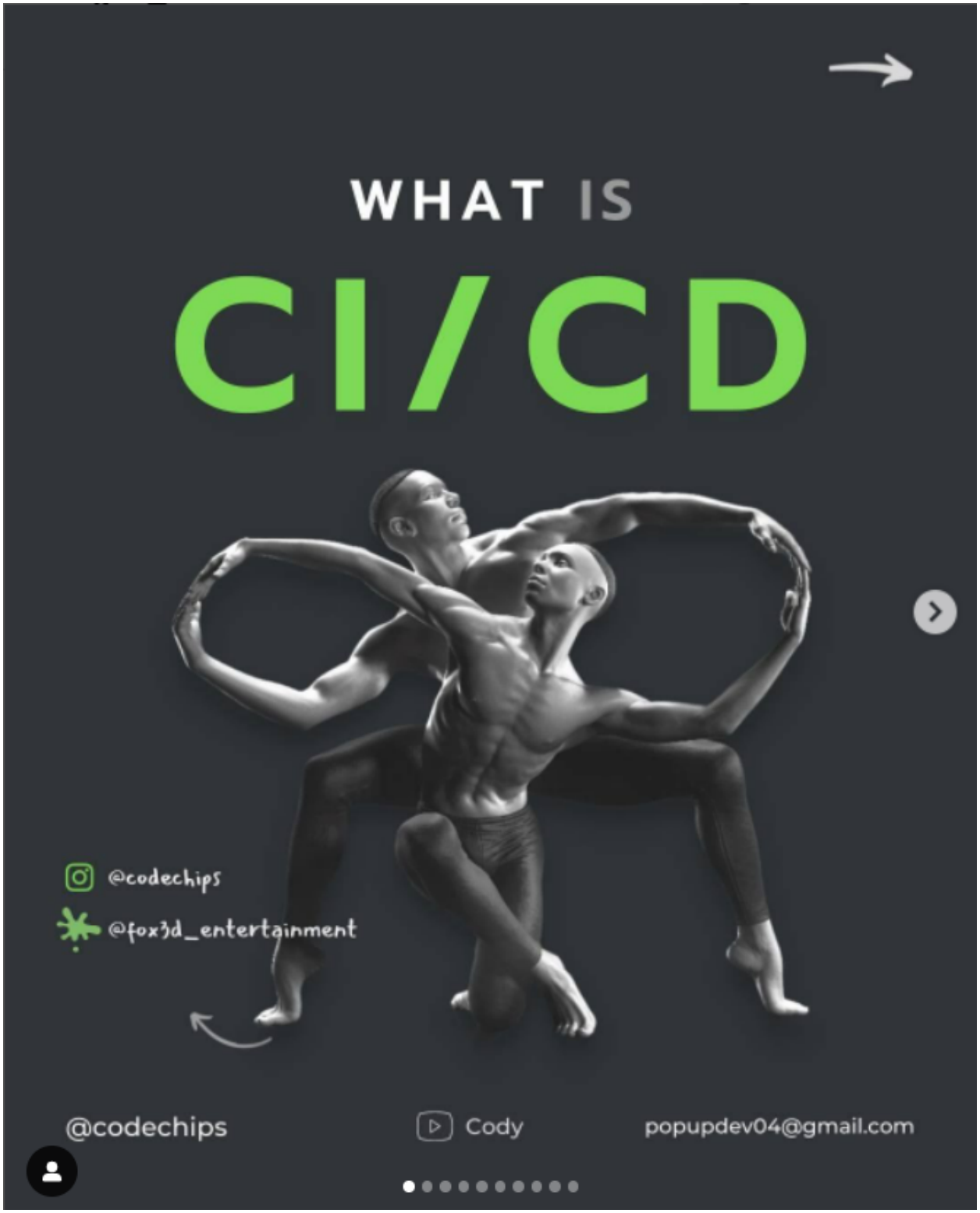
WHAT IS
CI/CD
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In a Software Development Project **multiple developers** work on different features at the **same time**


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But one day these features need to be merged to the main software

On that day.....

# Merge Conflict

Before that they need be tested
(Unit and Integration tests)

These process could become exhausting, time-consuming & messy



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This kills productivity and delays the feature release

That is where **CI/CD** came to the rescue!

**CI - Continuous Integration**
CD - Continuous Delivery
**CD - Continuous Deployment**

CI is a practice where developers commit code changes in a central repository multiple times a day


Each change in code triggers an automated build-and-test sequence for the given project, providing feedback to the developer(s) who made the change

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Continuous Delivery is a practice where code changes are **automatically** prepared for a **release** to production after validation



I'm Ready !

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Finally, Continuous Deployment automatically releases the new version of the software to the end - users instantly