

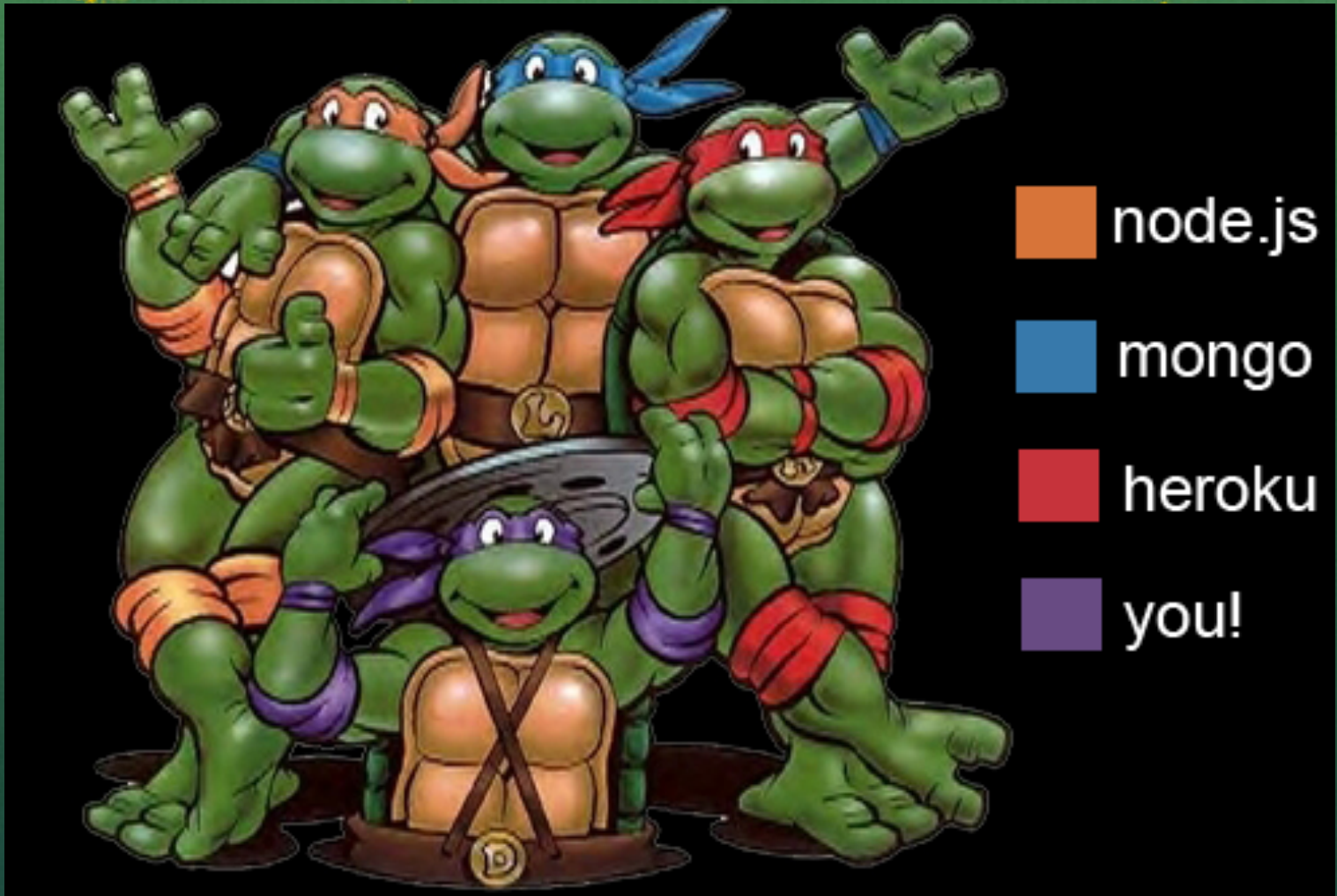
App Hosting with Heroku

Show&Tell Presentation

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Quick development made possible



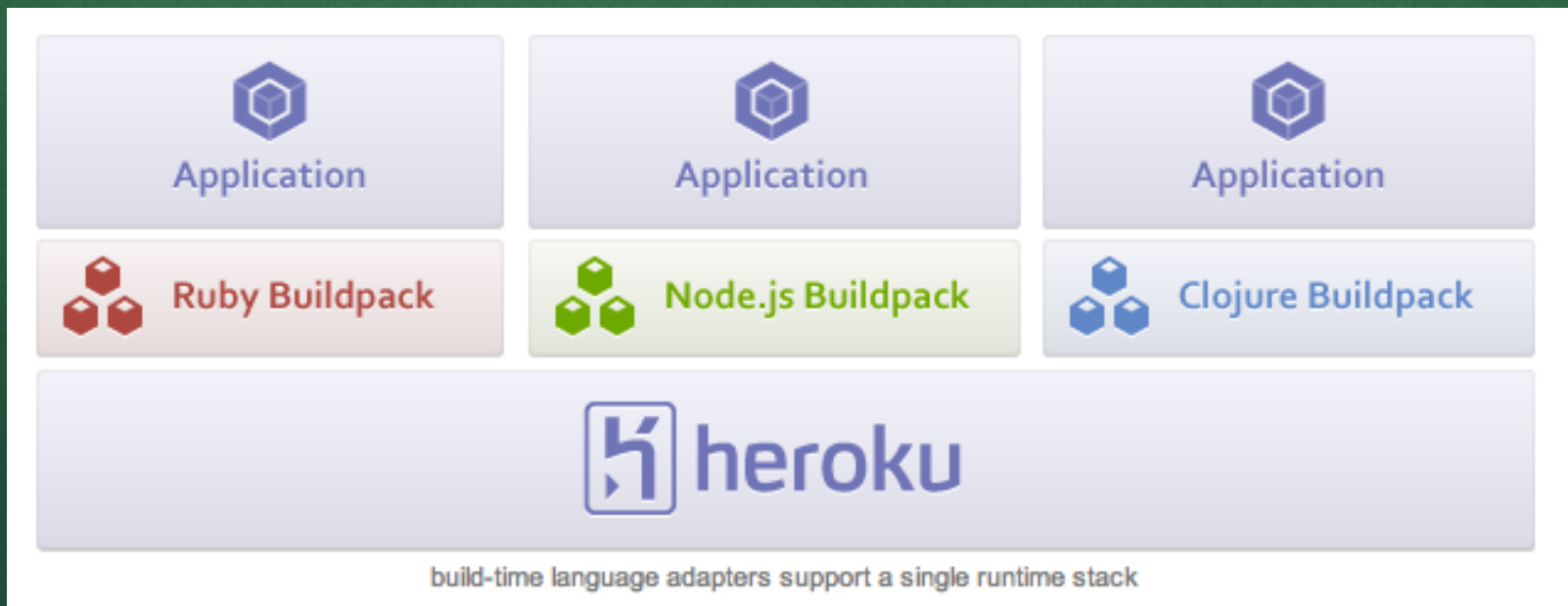
Closer look at Heroku

- You (developer) will:
 - Test changes locally
 - Commit to git
 - Push git repo to heroku
- Heroku will:
 - detect the app and language
 - pull the buildpack for this language
 - install dependencies (as defined in package.json)
 - discover process types (as defined in Procfile)
 - launch the app
 - scale the app

Heroku Polyglot Platform

Cedar – latest, language-agnostic stack

Buildpacks: build-time adapters that compile apps into executables



Process management

- What are dynos? Process managers
- Process types: web, worker, cron
- Defined in Procfile:

web: node app.js

worker: node worker.js

- Can create as many processes as you need => easy scaling



Heroku Add-ons

- MongoLab
- Custom domains
- Apigee for Twitter API (haven't used yet)
- Scheduler (cron)
- Log management
- Memcache
- And more <https://addons.heroku.com/>

Who uses Heroku

- Hipster (acquired by AOL in 2012)
- Diaspora - remember Facebook killer?
- Rapportive - Gmail plugin
- SCVNGR - location-based game app
- AllDayEveryDay - NYC-based agency

Other notable PaaS

- Windows Azure (.NET, node.js, Ruby, PHP)
- Nodejitsu (node.js)
- Engine Yard (Ruby, PHP)
- AppFog (PHP, Java, Python, .Net, Ruby, node.js)
- Google App Engine (Java, Python, Go)
- OpenShift by RedHat (Java, Ruby, node.js, Python, PHP, Perl)

Resources

- How Heroku buildpacks work:
<http://blog.heroku.com/archives/2012/7/17/buildpacks/>
- Why instant deployment matters:
http://blog.heroku.com/archives/2009/2/23/why_instant_deployment_matters/
- Who uses Heroku: <http://success.heroku.com/>