Computer Engineer of The Future

Seray Uzgur

https://github.com/serayuzgur

https://twitter.com/serayuzgur

https://www.linkedin.com/serayuzgur

About Me

- 2008 Graduation

- 2008-2011 Java Developer , Lead Developer

- 2011 Military Service

- 2011-2013 Android Developer, Software Architect, Startup

- 2013-2017 Head of Software Development

Content

- Programming Language

- Startup or Enterprise

- Development Lifecycle

  - Steps

  - Sample Products

- Q&A

Programming Language

" First, solve the problem.Then, write the code."
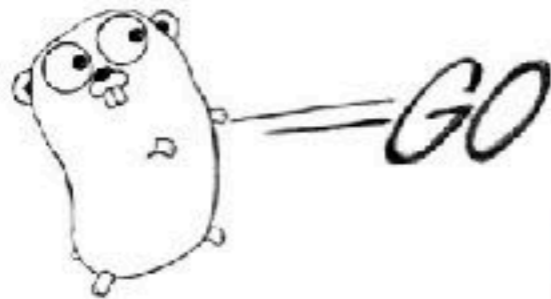
– John Johnson

Which one ?

Language	Count	Change
JavaScript ▴97%	1,604,219	
Java ▴63%	763,783	
Python ▴54%	744,045	
Ruby ▴66%	740,610	
PHP ▴43%	478,153	
C++ ▴43%	330,259	
CSS ▴36%	271,782	
C# ▴88%	229,985	
C ▴47%	202,295	
Go ▴93%	188,121	
Shell ▴76%	143,071	
Objective C ▴37%	75,478	
Scala ▴54%	70,216	
Swift ▴262%	62,284	

So, it's JS and JAVA.

is it ?

WTF (JS)

WAT

A lightning talk by Gary Bernhardt from CodeMash 2012

>[] + []
>= " "
>[] + {}
>= [object Object]
>{}+ []
>0
>{}+{}
>NaN

https://www.destroyallsoftware.com/talks/wat

WTF (JS)


```
failbowl:~(master!?) $ jsc
> Array(16)

,,,,,,,,,,,,,,,
> Array(16).join("wat")
watwatwatwatwatwatwatwatwatwatwatwatwatwatwat
> Array(16).join("wat" + 1)
wat1wat1wat1wat1wat1wat1wat1wat1wat1wat1wat1wat1wat1wat1
wat1
> Array(16).join("wat" -1)
```

https://www.destroyallsoftware.com/talks/wat

WTF (Java)

```java
*/
public class Test {
    public static void main(String[] args) {
        double d = Double.parseDouble( s: "2.2250738585072012e-308");
        System.out.println("Test : " + "2.2250738585072012e-308");
        System.out.println("Value: " + d);
    }
}
```

```
Test : 2.2250738585072012e-308
Value: 2.2250738585072014E-308
```

```
012e-308
014E-308
```

Languages are tools.
Not goals.

Startup or Enterprise

" Unless you are a fortune-teller, long-term
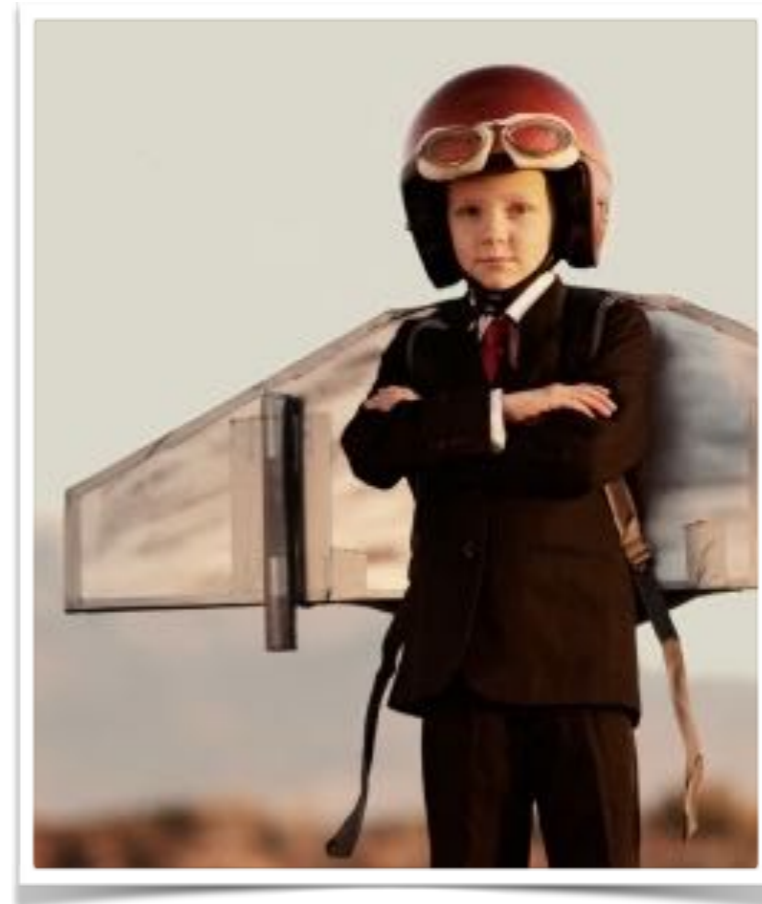business planning is a fantasy. "

– Jason Fried

A DAY IN THE LIFE OF

CORPORATE

STARTUP

Startup

- Freedom, transparency

- Various experiences

- Continuous improvement

- Lack of concentration and expertise

- Undefined work

Enterprise / Out-Source

- Meet people effortlessly

- Experience sector stardards

- Well defined work

- Slow progress / Bureaucracy

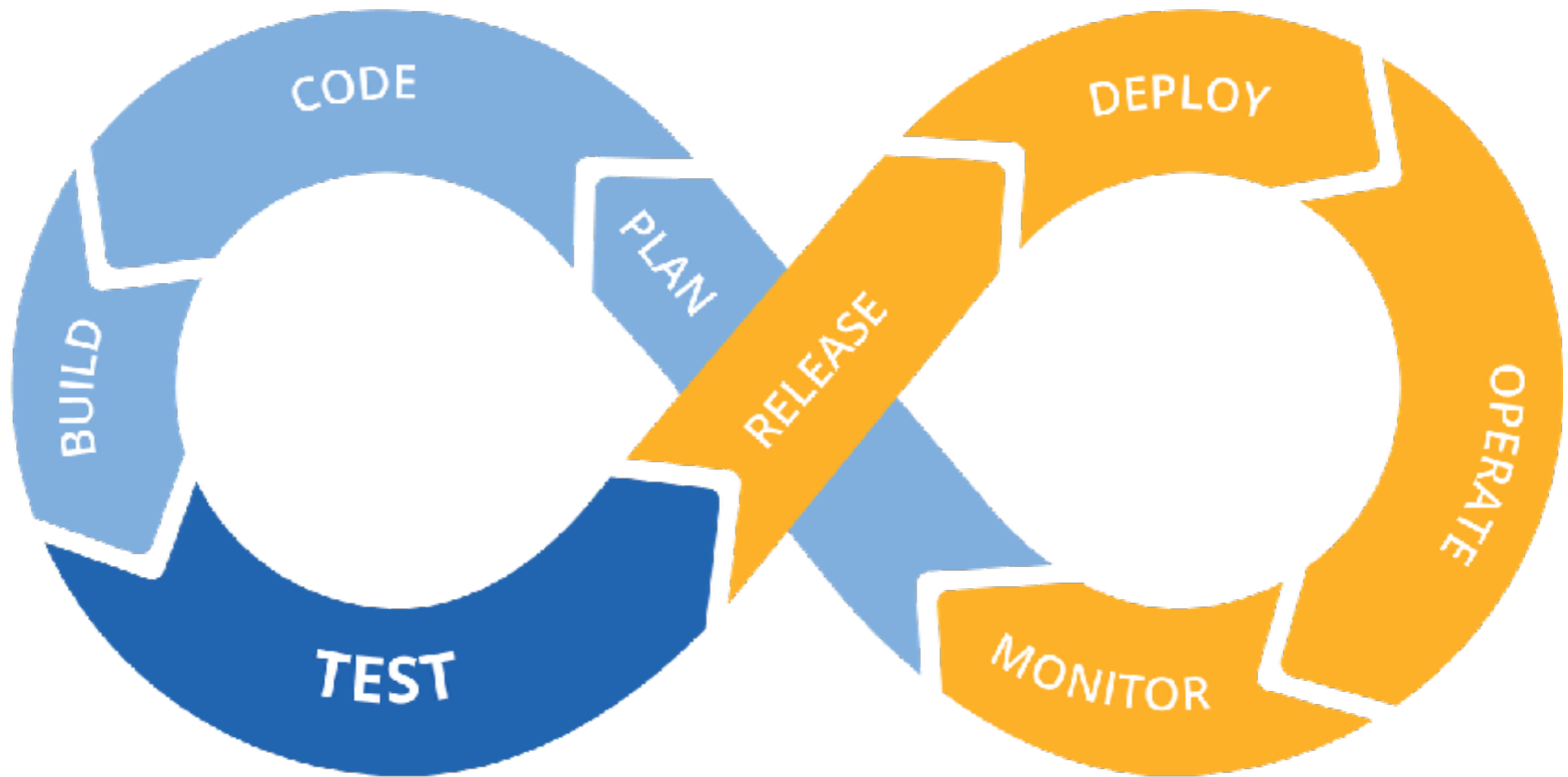- Limited area of experience (development)

Development Lifecycle

" Always code as if the guy who ends up maintaining your code will be a violent psychopath who knows where you live. "
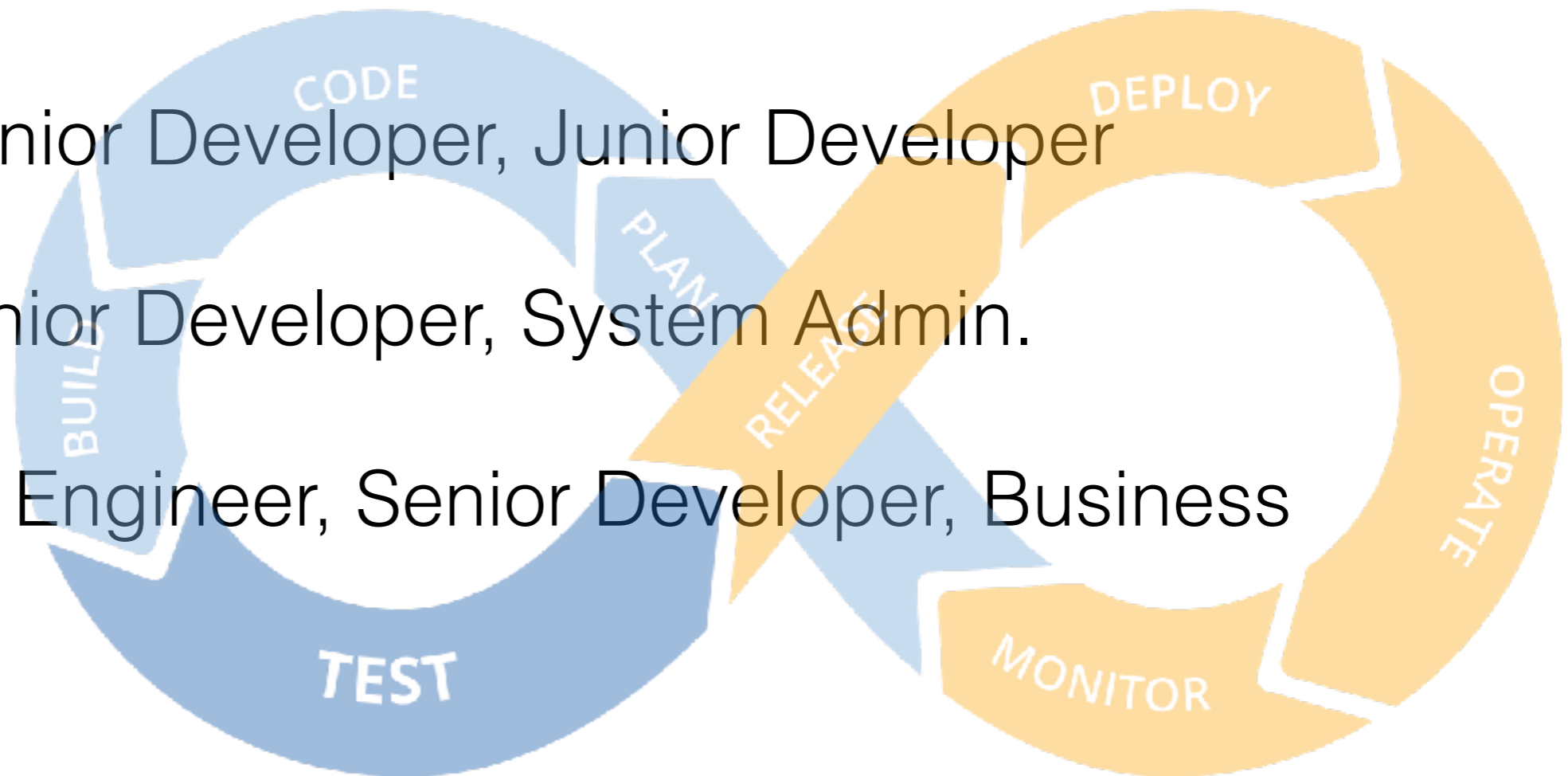
- Rick Osborne

Development Lifecycle

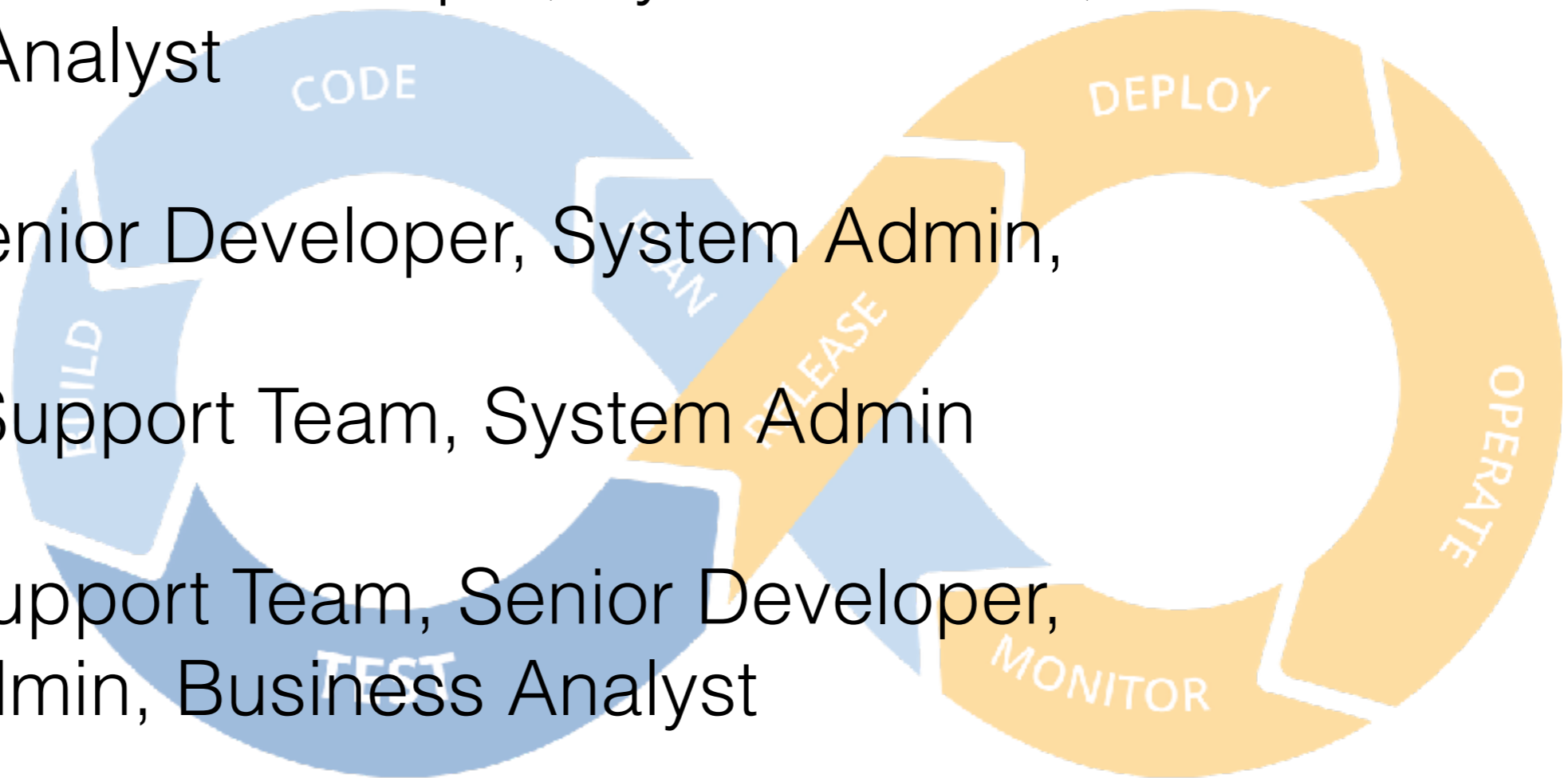Even small projects can have this cycle with various products.

Steps (Dev)

- Plan : Project Manager, Business Analyst

- Code: Senior Developer, Junior Developer

- Build: Senior Developer, System Admin.

- Test: Test Engineer, Senior Developer, Business Analyst

Steps (Ops)

- Release: Senior Developer, System Admin, Business Analyst

- Deploy: Senior Developer, System Admin,

- Operate: Support Team, System Admin

- Monitor: Support Team, Senior Developer, System Admin, Business Analyst

Sample Products

Plann	Jira	Redmine	Trello
Code	Bitbucket	Git	Svn
Build, Release, Deploy	Bamboo	Jenkins	Travis
Operate, Monitor	NewRelic	GrayLog	…

Develop Products !

References

https://octoverse.github.com/
https://www.destroyallsoftware.com/talks/wat
https://www.youtube.com/watch?v=et8xNAc2ic8
http://www.softwarepassion.com/the-biggest-java-wtf/

" Before software can be reusable it first has to be usable. "

- Ralph Johnson

Thank You !

https://github.com/serayuzgur

https://twitter.com/serayuzgur

https://www.linkedin.com/serayuzgur