Contributing to OSS

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Contributing to Opensource

The 10 minute guide to

- ▶ Why
- ▶ What
- ▶ Which
- ▶ When
- ▶ How

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About me

- ASF member
- Committer
  - Apache Camel
  - Quarkus
- Creator
  - Fabric8 Kubernetes framework
  - Spring Cloud Kubernetes
  - Dekorate
- Red Hatter (hint: why)

Why #1: You CAN get paid for it

- Sponshorship
- Get an OSS job

Why #2: It's a strong point in your CV

Proof
- ▶ skills
  - ▶ code reading
  - ▶ code writing
  - ▶ problem solving
  - ▶ comunication
- ▶ passion
- ▶ commitment (and sheer @#!&$#ing will)

Achievement
- ▶ Commiter
- ▶ PMC

Why #3: You learn alot

- Contributing -> feedback loop `Art of learning - Josh Waitzkin`
- Diversity
    - styles
    - tools
    - patterns

Why #4: Meet your heros

The are only two sports in the world ...

What #1: Code

- Too obvious
    - Test
    - Fixes
    - Features

What #2: Documentation

What #3: Report issues

Acknowledges
- ► There are people using the project
- ► There are people using the feature

Essential
- ► Community building
- ► Steering the project to the right direction

"Knowing the issue is 50% of the work"

What #4: Community engagement

- Forums
- Mailing lists
- Stack overflow
- Talks
- Videos
- Blogging

Which #1: New vs Established

New

- Simple codebase (?)
- Crossing the chasm
  - Community
  - Contributors
- Less visibility

Established

- Complex codebase (?)
- Larger contribution volume
- Harder to standaout
  - Quarkus: 93 open pull requests ATM (hint: when)

Fact

- In ASF incubator:
  - A podling MUST invite 1+ committer(s)

Which #2: Day job related

- Motivation
- Time
- Multiple gains

True story:

- 1st contrubtion: Job related fix Apache ServiceMix
  - Meet the right people
    - Community engagement
    - IRC
    - Mailing lists
  - Introduced to Apache Karaf
  - Become an Apache Karaf committer
    - Started using Apache Karaf at work
    - Hired by FuseSource to work on Apache Karaf

Which #3: Passion

- Ephemeral contributions (limited value)

    - A bug getting fixed

- Long term participation (bigger returns) (hint how)

    - Recognition
        - Committership
        - Influence
        - Job
        - Cool T-shirts

If you don't like it you can't sustain it!

Find something you are passionate about!

How #1 Google Summer of Code

- A 3 month program for students
- Mentoring from OSS organization
    - ASF
    - Eclipse
    - Red Hat
    - more

    https://summerofcode.withgoogle.com/

How #2 Github

- ▶ Read the contributors guide
- ▶ Familiarize with git and pull requests
- ▶ Search for issues labeled:
    - ▶ Good first issue
    - ▶ Low hanging fruit

Tips #1: It's a marathon

Size doesn't matter!

► A big contribution will get some attention

► It's the long run the gives recognition

True story

► Ioannis P. & Apache Camel

  ► Created an excellent component

    ► camel-hazelcast

  ► Didn't sustain the effort

  ► Not even listed at contributors page

  ► I often get credit for camel-hazelcast

Tips #2: Code first, talk later or not . . .

- ▶ Easier to communicate an idea in code

- ▶ Give them a glimpse of the future `Pragmatic Programmer: Stone soup`

  ## True stories

- ▶ Ideas rejected on paper

    - ▶ How about creating a DSL for manipulation Kuberentes resources?
        - ▶ Fabric8 Kubernetes Framework
    - ▶ What if we generated Kubernetes manifests using APT?
        - ▶ Dekorate

Tips #3: Do talk

- ▶ Communication is important
  - ▶ Coordinate with others
  - ▶ Build bonds

Tips #4: Don't be a jerk

- ▶ Be polite!

- ▶ Be friendly!

- ▶ Don't be self entitled!

- ▶ Don't take it out on others!

Tips #5: Don't be intimidated

Putting your code out there can be scary

- ▶ You will make mistakes
    - ▶ Everyone does
        - ▶ Even the legends
    - ▶ And it's ok
    - ▶ But there might be those times . . .

True stories

- ▶ I've been devsplained on field where I am undeniably an expert

- ▶ I've been insulted and yelled for commiting pom.xml with SNAPSHOT deps

Nothing can beat the joy and reward of contributing!

Tips #6: Just do it

Your favorite motivation speech goes here!

Thank you for your time!