Apachecon EU 2016

How mentoring can help you start contributing to open source

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IBM | Spark Technology Center

About Me

Luciano Resende (lresende@apache.org)

- Architect and community liaison at IBM – Spark Technology Center
- Have been contributing to open source at ASF for over 10 years
- Currently contributing to : Apache Bahir, Apache Spark, Apache Zeppelin and Apache SystemML (incubating) projects

Agenda

Apache Community Development (ComDev) PMC

Why Mentoring ?

Available Programs

- Google Summer of Code, Google Code-In
- GNOME Outreach Program For Women
- Apache Mentoring Programme

Finding Mentors

Finding Project Ideas

Open Source

Open source is here to stay, and contributions are on the rise

- 65 % of companies are contributing to open source projects
- 67% of companies actually encourage developers to engage in and contribute to open source project

What is in it for you ?

- Learn new skills, new technologies, visibility, etc.

What is in it for your company ?

- Enhance software they are using, gain competitive edge, technology awareness, etc.

Source – BlackDuck open source survey: https://www.blackducksoftware.com/2016-future-of-open-source

Apache Community Development PMC

Why Apache is so Successful ?

The Apache Way

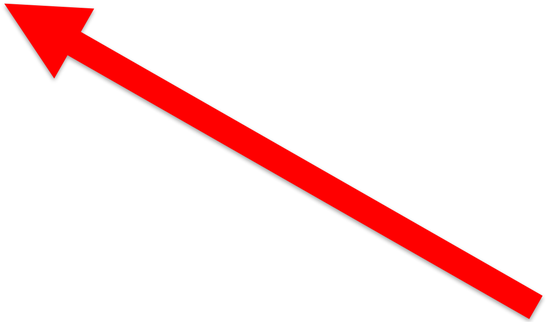
Community Over Code

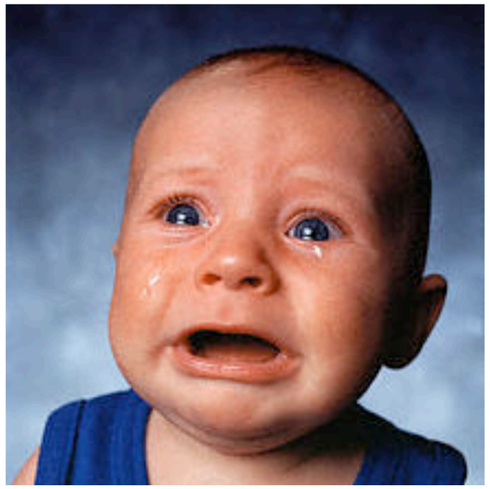
Apache Community Development PMC

Created to foster greater community and help others understand how the ASF works and give you the confidence to work more directly

Why Mentoring ?

Open Source Project

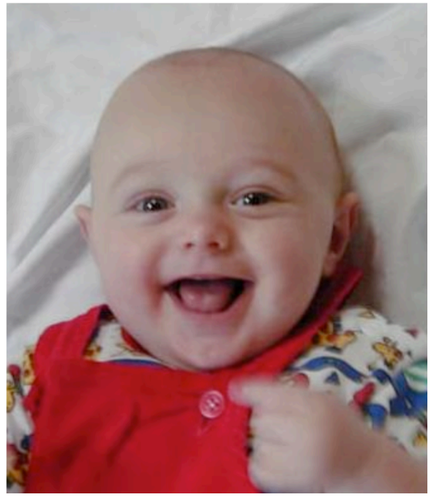




Why Mentoring ?

Open Source Project

Mentor



Why Mentoring ?

What to expect from the mentor

- Will help you get familiar with the open source community,

  and help you interact with the existent community

  - Quickly understand a project's dynamics
  - Identify project areas that might require better support —

    and which are aligned with a new user's skills
  - Ask the right questions with enough information that others can provide helpful guidance
  - Sometimes even navigate the project politics

- Your mentor might also help with technical questions/issues,

  but this is not a requirement

What Mentoring programs are available ?

Google Summer of Code

Google Summer of Code

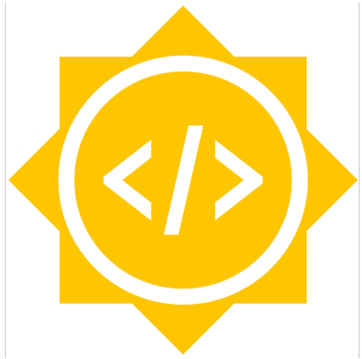
- Goals
  - Inspire students to engage in open source development and also give them more exposure to real-world software development scenarios
- Eligibility Requirements
  - Students must be 18 years old by program announcement/start
- Restrictions
  - Code only, Summer only, Students only

Google Summer of Code

Google Summer of Code

- Started in 2005
  - 410 students
  - 42 open source organizations
  - 80% success rate
- In 2015
  - 1051 students from 73 countries
  - 1903 mentors from 68 countries
  - 137 open source organizations
  - 88.2 % success rate

Google Summer of Code



Project Ideas

Project Proposals

THE APACHE SOFTWARE FOUNDATION

Mentoring & Evaluations

mozilla FOUNDATION

Google Summer of Code

Succeeding at GSoc

- Apache Projects
  - Project ideas are listed in JIRA
  - Create your project ideas and tag them earlier
  - Advertise, advertise, advertise
- Students
  - Participate in the project mailing lists
  - Open communication
  - communication, communication, communication
  - code, communication , code, communication , code, communication

Google Summer of Code

Google Summer of Code

https://developers.google.com/open-source/gsoc/

Google Summer of Code FAQ

https://developers.google.com/open-source/gsoc/faq

Google Code-in

Google Code-in

- Goals
  - Inspire young students to engage and contribute to open source communities
- Eligibility Requirements
  - Students must be between 13-17 years old by program announcement/start
- Eligible Tasks
  - Coding, Documentation/Training, Outreach/Research, QA, User interfaces
- Restrictions
  - Students only

Google Code-in

Project Ideas

Project Proposals

THE APACHE SOFTWARE FOUNDATION

Mentoring & Evaluations

mozilla FOUNDATION

Google Code-in

Succeeding at Code-in

- Apache Projects
  - Project ideas are listed in JIRA
  - Create simple project ideas, that are appealing to teens, and tag them earlier
  - Advertise, advertise, advertise
- Students
  - Participate in the project mailing lists
  - Open communication
  - communication, communication, communication
  - execute, execute, execute

Google Code-in

Google Code-in

https://developers.google.com/open-source/gci/

Outreach Program for Women

GNOME Outreach Program for Women

- Goals
  - Inspire women and other underrepresented in open source
- Eligibility Requirements
  - Member of one of the eligible underrepresented groups described in the program page
  - Must be 18 years old by program start
  - Available for a 40 hours a week internship (not in school full-time, not in another job full-time)
- Eligible Tasks
  - Coding, Documentation/Training, Outreach/Research, QA, User interfaces, Marketing, Translations, etc.

Outreach Program for Women

GNOME Outreach Program for Women

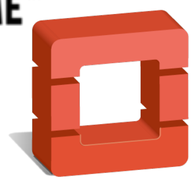
- Started in 2010
  - 1 open source organizations
- In 2016
  - 17 open source organizations

Outreach Program for Women

Project Ideas

outreachy-list@gnome.org

Project Proposals



Mentoring & Evaluations

Outreach Program for Women

GNOME Outreach Program for Women

https://wiki.gnome.org/action/show/Outreachy?action=show&redirect=OutreachProgramForWomen

Apache Mentoring Programme

Apache Mentoring Programme

- Goals
  - Foster a greater community around the various Apache Projects
  - Introduce The Apache Way to people new to Apache and open source in general
- Eligibility Requirements
  - Open
- Restrictions
  - None

Apache Mentoring Programme

Project Ideas

Project Proposals

Mentoring & Evaluations

Apache Mentoring Programme

Community Development (ComDev)

http://community.apache.org

Apache Mentoring Programme

http://community.apache.org/mentoringprogramme.html

FAQ

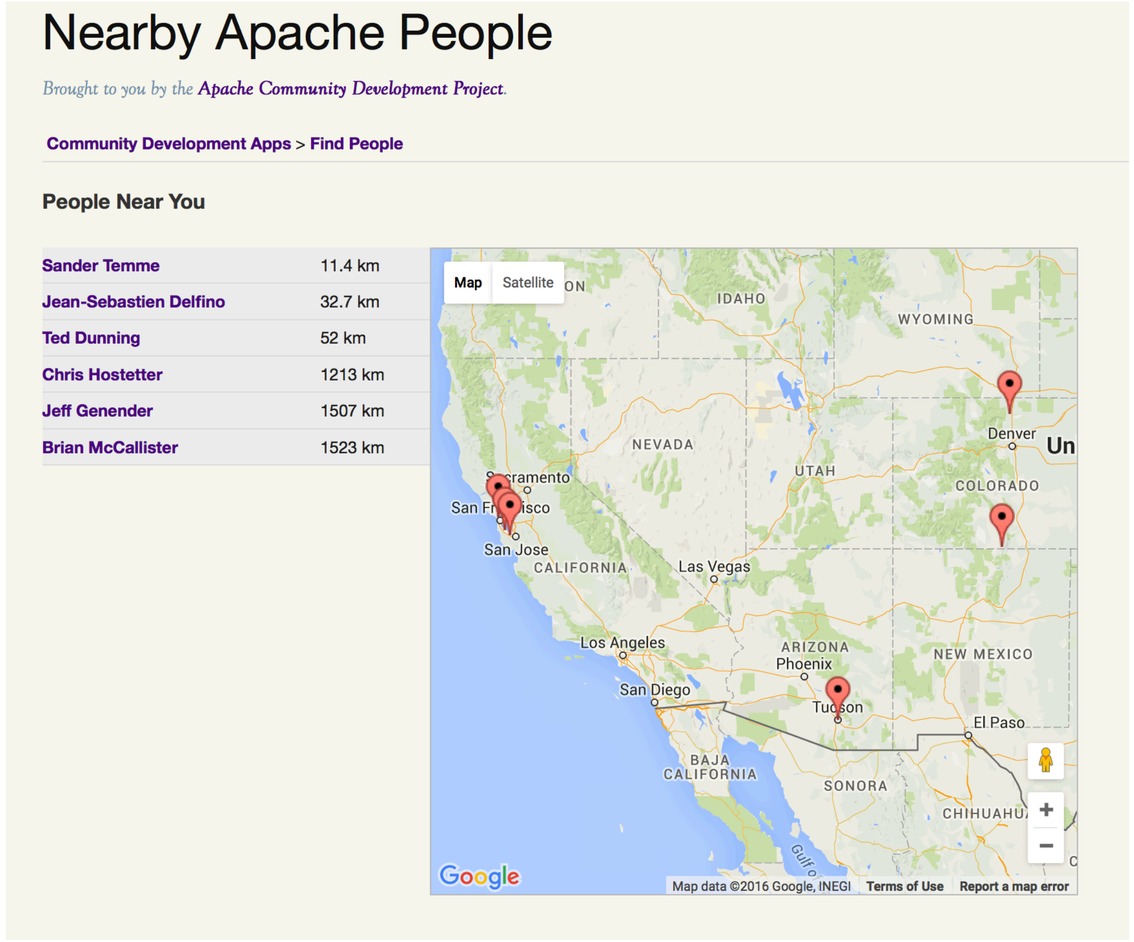
http://community.apache.org/newbiefaq.html

Finding mentors

Mentors

Finding a local mentor

http://community.zones.apache.org/

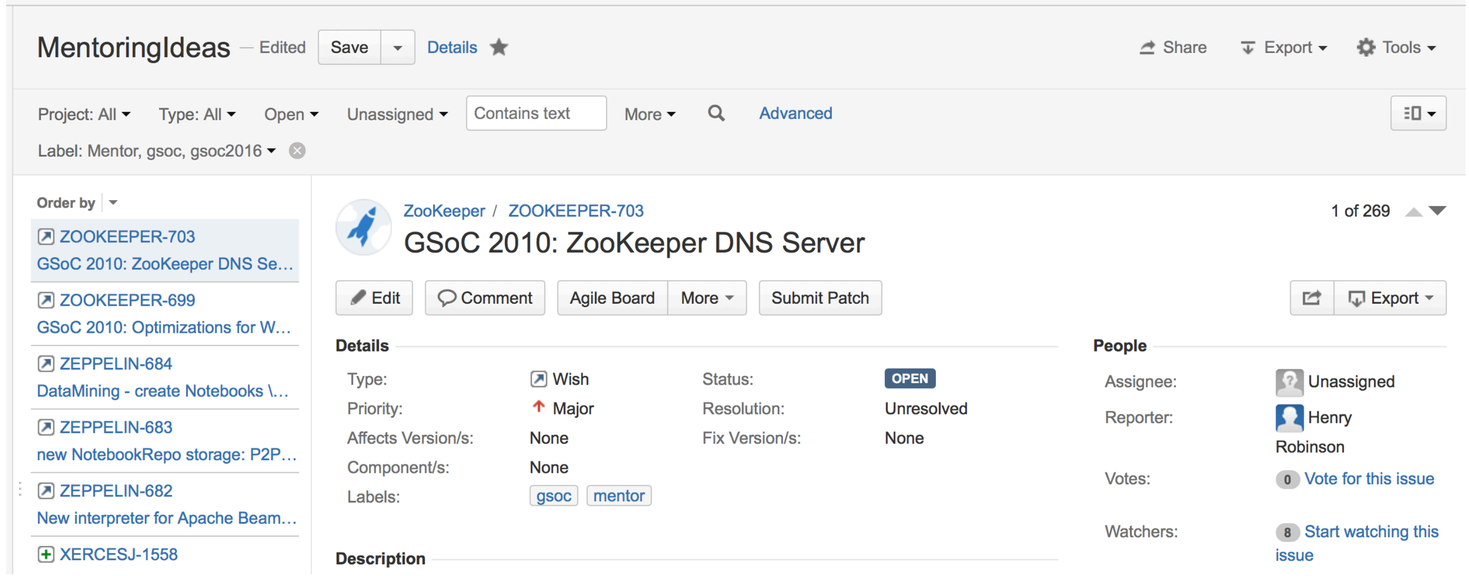


Finding project Ideas

Finding project Ideas at Apache

Apache projects track issues in JIRA

- Identify available tasks based on tags (mentoring, gsoc2016, etc)
- Mentors are usually the jira reporters
- Have open discussion via the JIRA or on the project dev mailing list



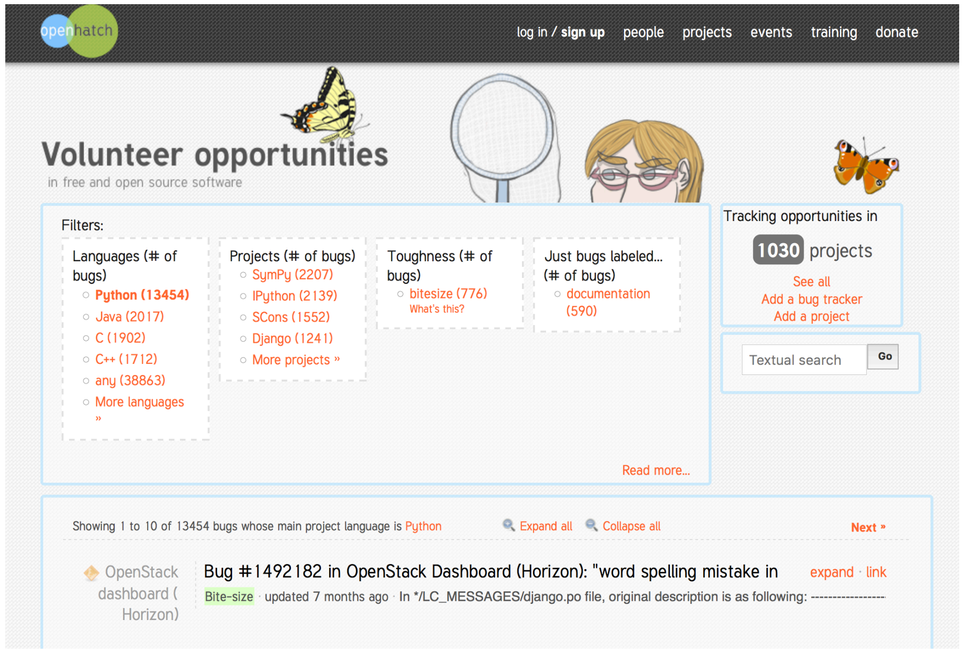
Finding project Ideas in general

If you know what you want

- Usually other organizations/projects have their own jira

If just want something generic

- Open hatch might be of help



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