

# Getting into Open Source projects

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# Agenda

This talk will include:

- Open Source Software (OSS)
- What you can do
- How to get started
- Example of contributions
- Google Summer of Code

# About

Djalal Harouni is an Open Source Software maintainer and developer. He worked on security defenses within the kernel self protection project for the Linux kernel, from modules infrastructure, namespaces, to filesystems where he rewrote the proc filesystem. As a "systemd" maintainer he hacked on the sandboxing environment and kernel interfaces to secure the Linux ecosystem.

Previously, he was an Nmap network security scanner maintainer.

Djalal worked also on Open Source telephony LTE/5G drivers support, Linux containers, to embedded linux with hardware and IoT support.

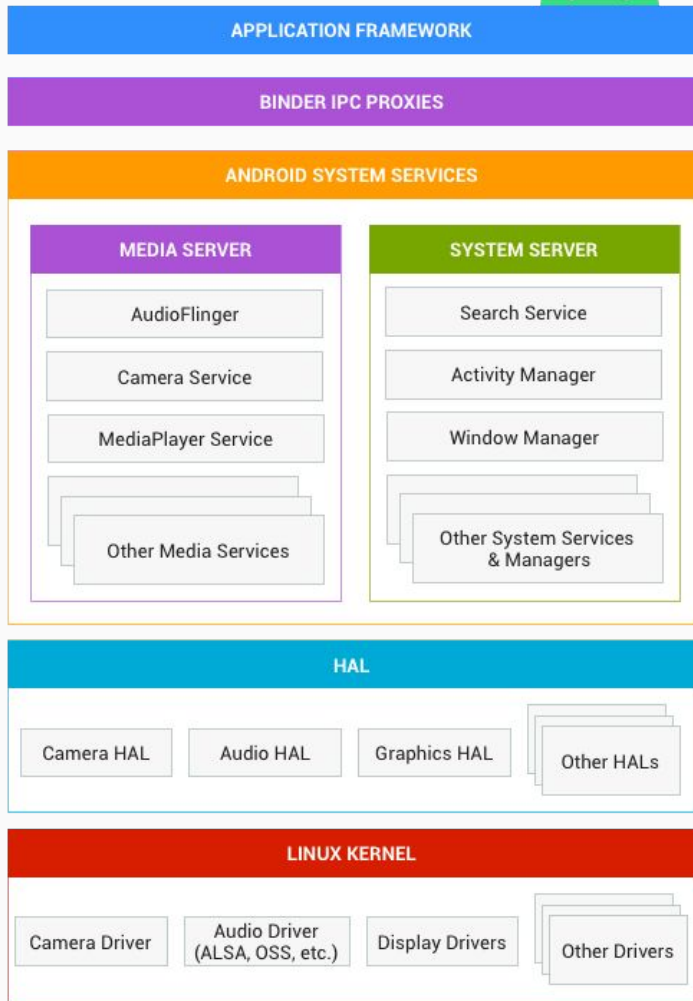
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# Open Source Software (OSS)

Open Source Software is a computer software whose source code is made publicly available for modification and enhancements.

<https://github.com/explore>

<https://awesomeopensource.com/projects/awesome>



# Android

Includes Linux and other Open Source projects.

<https://source.android.com/devices/architecture>

# What you can do

- Contribute code (tests / bug fixes / new features)
- Project documentation
- Translation (support arabic, etc)

# How to get started

- Projects you already use or know ?
- Programming languages you know ?
- Technical skills ? interest ?
- Future opportunities (employment, getting a job , etc)
- Choose the right Open Source projects:
  - Used in the industry
  - Backed by companies (**i.e: money and resources**)
  - Have multiple main maintainers and other contributors.
- Explore projects: <https://github.com/explore>

# Example of contributions

- Find Open Source project
- Check it, install, experience it
- Find issues, or create a new issue
- Improve documentation
- Start with small steps then large contributions will come...

<https://github.com/systemd/systemd/pull/6986>

<https://github.com/systemd/systemd/pull/4243>

<https://github.com/systemd/systemd/commit/af964954c6a44bd664efe89052ced9584a966baa>



# Google Summer of Code

Google Summer of Code is a global program focused on bringing more student developers into open source software development. Students work with an open source organization on a 10 week programming project during their break from school.

<https://summerofcode.withgoogle.com/>

Many algerians worked on Google summer of Code.



# Google Summer of Code

Open Source Organizations and Projects part of Google Summer of Code 2021

<https://summerofcode.withgoogle.com/archive/2021/organizations>

<https://summerofcode.withgoogle.com/archive/2021/projects>



# Google Summer of Code

5 Tips to get your Google Summer of Code proposal accepted:

[https://people.csail.mit.edu/baghdadi/TXT\\_blog/5\\_advice\\_to\\_get\\_your\\_proposal\\_accepted.lyx.html](https://people.csail.mit.edu/baghdadi/TXT_blog/5_advice_to_get_your_proposal_accepted.lyx.html)

By Riyadh Baghdadi : <https://people.csail.mit.edu/baghdadi/index.html>

# Final points

Open Source Software contributions will help you pass job interviews.

Work on popular Open Source projects that are used in the industry and backed by companies.



Thanks!

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