My awesome journey with Open Source

Adam Sitnik

About myself

Software Engineer on the .NET Team

- Maintainer
  - https://github.com/dotnet/BenchmarkDotNet
  - https://github.com/adamsitnik/awesome-dot-net-performance
- Contributor
  - https://github.com/dotnet/performance
  - https://github.com/dotnet/corefx
  - https://github.com/dotnet/coreclr
  - https://github.com/dotnet/corefxlab
  - https://github.com/microsoft/perfview
  - https://github.com/dotnet/spark
  - https://github.com/irmen/Pyrolite
  - https://github.com/dotnet/machinelearning
  - https://github.com/dotnet/diagnostics

- https://github.com/workhorsy/py-cpuinfo
- https://github.com/exceptionless/Exceptionless.Net
- https://github.com/SixLabors/ImageSharp
- https://github.com/mgravell/protobuf-net
- https://github.com/aspnet/SignalR-Server
- https://github.com/autofac/Autofac
- https://github.com/ServiceStack/ServiceStack.Redis
- https://github.com/Microsoft/clrmd
- https://github.com/goldshtn/msos
- https://github.com/dotnet/orleans

The History of Open Source

You can make your own history!

Open your eyes!

Adam Sitnik @SitnikAdam · 23.07.2015

to me this was an eye-opening post

.NET/FRINGE/ @dotnetfringe
This post also explains why, even though Microsoft is hard core OSS these days, they're still not very present bit.ly/1gQCnGU

What small startup did for .NET OSS to develop a single app?

- Added full CQL3 collisions support to FluentCasandra
- Invented **Helios**, a high performance **server-side socket** library
- **Ported Akka to .NET**
- Implemented Marmur3 and HyperLogLog algorithms in C#

Are you using any OSS?

xUnit SeriLog
Dapper
Autofac
JSON.NET
NHibernate
Quarz.NET
Ninject
SignalR NLog

Have you ever…

- Maintained OSS project?
- Implemented a new feature?
- Fixed a bug?
- Improved the performance?
- Improved the docs?
- Reported a bug? with a nice repro case?
- Or maybe introduced a bug ?

At this point of time

- I was anonymous .NET developer
- I knew I wanted to contribute to make a difference
- I had no idea how to start
- I did not know any contributors
- I wasn't even dreaming about speaking at the Big Conferences…
- Not to speak about drinking a beer with my Gurus!
- Or working on the .NET Team!

When your Guru starts a new project..

My first contribution: what it was

- Build the benchmark in the Release mode
- Perform the Jit Warmup
- Cleanup the memory after every iteration
- One micro optimization

Follow the coding standards (CONTRIBUTING.md)

joeduffy commented on `src/Slice.cs` in `a97bb49` on 19 Jul 2015

Style nitpick, indentation looks off; maybe a tabs vs. spaces issue?

joeduffy commented on `src/Slice.cs` in `a97bb49` on 19 Jul 2015

Style nitpick, errant spaces.

You can get a code review from your Guru!!!

Choose the right Project

- Look for something that excites you!
- Prefer tools that you are familiar with
- Make sure they are looking for help!
- Make sure it's active!
- Make sure you are ok with the license!

How to grab an issue?

Part of a daily job routine

Found a bug in OSS library?

- Report it!
- **Provide a repro case!**
- Is it blocking your job?
- If so, can you fix it?

Need new feature?

- The existing code base saved your company a LOT of time.
- So why don't you extend it?

Just do it!

Don't give up!

Ben Adams contributions to Kestrel HTTP Server (as of 2017-10-01 18:01)

5

113

122

Use the tools that are free for the Contributors

Believe in yourself

- How do you know if you are good or not?
- Would you like to change job?
- Fork a project
- Pick up an issue
- Just solve it!

You get invited to speak at Conferences

Gmail

Adam Sitnik <adam.sitnik@gmail.com>

You have been selected to speak at NDC Oslo 2017
2 messages

NDC Oslo <info@ndcoslo.com>   2 March 2017 at 16:26
Reply-To: NDC Oslo <info@ndcoslo.com>

Yes, You still get rejected ;)

Pair programming with the best

cesarbs on 28 Jan Member

@adamsitnik Would be glad to collaborate with you to get this more generalized and into BenchmarkDotNet 😄

👍 1

adamsitnik on 28 Jan

This week I am in Redmond for the MS LEAP, so we can even meet in person and talk about it ;) btw were you able to run this auto-generated dll? When I tried similar approach (to execute

cesarbs on 30 Jan • edited Member

Awesome! I'll send you an email so we can arrange when and where to meet.

Getting the write access to your favorite tool

M Gmail

Adam Sitnik <adam.sitnik@gmail.com>

AndreyAkinshin added you to BenchmarkDotNet
1 message

Andrey Akinshin <noreply@github.com>   20 January 2016 at 11:22
To: Adam Sitnik <adam.sitnik@gmail.com>

You can now push to this repository.

View it on GitHub:
https://github.com/PerfDotNet/BenchmarkDotNet

When Guru use the feature you implemented

Make friends!

Summary

- Plan minimum: report well described bugs.
- Contribute to something exciting at least once.
- Contributing should be a part of your daily job routine.
- Everybody gets rejected, so will you.
- You can benefit a LOT!
- You can sky rocket your experience and knowledge!
- You are not going to get paid for it.

Sources

- [The Profound Weakness of the .NET OSS Ecosystem](#)
- [Free Services & Tools for Open Source .NET Projects](#)
- [All Pull Requests by Ben Adams to Kestrel](#)
- [What it feels like to be an open-source maintainer](#)
- [up-for-grabs.net](#)

Questions?

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Thank You!