My awesome journey with Open Source

Adam Sitnik

About myself

Software Engineer on the .NET Team



- 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!



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?



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

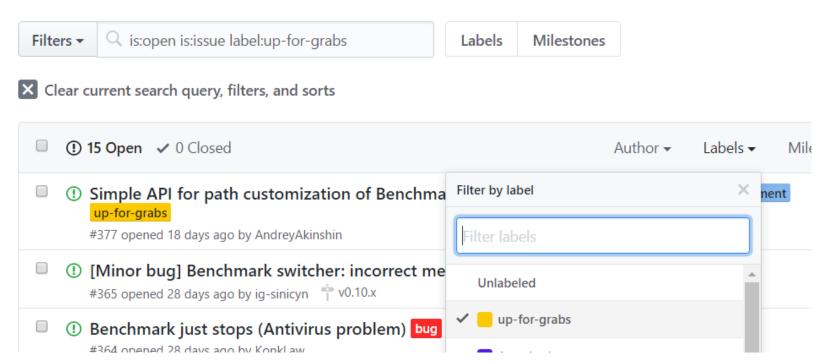
Style nitpick, errant spaces.

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!

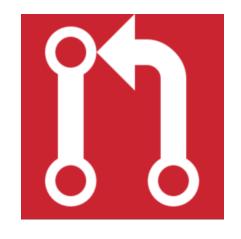
Don't give up!



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







11

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



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

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





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



Adam Sitnik <adam.sitnik@gmail.com>

AndreyAkinshin added you to BenchmarkDotNet

1 message

Andrey Akinshin <noreply@github.com>
To: Adam Sitnik <adam.sitnik@gmail.com>

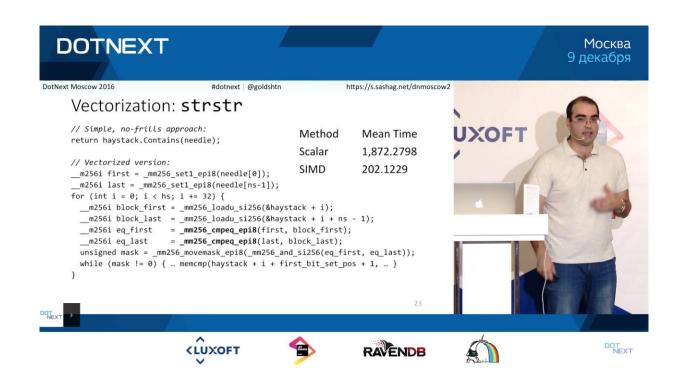
20 January 2016 at 11:22

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!