

Bohdan TROTSSENKO

Go/C#/F#/Rust developer, inventor

+ CONTACT

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+ EXPERIENCES

Ring Software Engineer I worked on various microservices in Java, **Go**, C++. Meanwhile, I used **AWS** ec2, s3, DynamoDB and other services; **kubernetes** and helm. November 2017-present, Kyiv

Epam Senior Developer I worked on CoreOS-based solution that runs containers in kubernetes. The language of choice is **Go**. My primary focus was on networking. October 2016-November 2017, Kyiv

Epam/Barclays Offshore Development Centre, Software Developer I developed a few tools for data validation (**C#/F#**), Contributed to a large report system (written in **java** using **Spring**, also uses **jmock** and **junit**, has some OS-native parts linked via **JNI**; hosted on a **Tomcat** server). I worked on a big risk-generation system written in C# (it consisted of multiple services (the primary technology there was **WCF**; **Solace** was used widely to deliver the messages); had a **WPF** front-end) March 2013-February 2015, Kyiv

Institute of cybernetics, Researcher I was the primary developer of the Ukrainian Sign Language application and Ukrainian Fingerspelling application (2008-2013), which involved **C#**, **F#**, **C++**, **WPF** and 3D. 2008-2013, Kyiv

Materialise, Internship I worked to improve performance of C++ code in the Sonaray project. The project was large (taking a few hours to build from a cleaned state on ~50 machines via IncrediBuild). It was cross-platform, using own library to build UI. 2005, Kyiv

+ MY PROJECTS

Simplest acoustic model The details are on my website (www.trotsenko.com.ua). This is to demonstrate my scientific thinking; I'm always eager to demonstrate it but I don't disclose internals.

Messaging bus messagingbus.codeplex.com (open-sourced in 2009, currently archived) Messaging Bus is a library for parallel computing with .Net. Primary entities of the library are: Messages, Workers, Buses. It allows to painlessly move out the I/O code from the UI thread, use all available cores for CPU-heavy tasks. Provides a way to create a readable code that represents a workflow. It was started before Microsoft's **TPL** was announced and has different advantages and drawbacks.

Other github.com/bohdantrotsenko

+ IT PROFESSIONAL SKILLS

Programming Languages and technologies Architecture-related: reading books like "Google SRE book", "High-performance browser networking"; talks of Jon Skeet. **Rust**, which I discovered ~2 years ago, which I cherish and occasionally use. **F#** (My love in .Net world; I used it heavily for developing on-the-run due to the REPL nature of F# interactive; used to prototype; used instead of PowerShell; coded the CodeJam-2012, 2015, 2016 in F# entirely)

Go (the best technology for handling 10k connections; language of choice for CodeJam-2013; I delivered a number of talks in Kyiv in 2014-[2016](#), 2019)

C# (the primary language of coding in 2008-2015, **LINQ** included)

WPF (the UI of choice, used for most of projects during the last 3 years; I went as far as developing my own Panel for animating UIElements)

WinForms, TPL, .Net Remoting (used occasionally for small projects)

C++, STL, boost, MFC, COM (mostly used in 1999-2007, I coded many algorithms, including **ACM** and **USACO** olympiads; later in internship)

Java (used for large reporting system in the bank, written with Spring; the other notable thing created was in 2005 - a J2ME client connecting via bluetooth to a server in .Net, showing a series of images; a few tests for my Android 2.3)

Python (used mostly for prototyping in Linux;)

Assembler (ironically, used mostly in days of DOS; I even wrote a few TSR programs)

Arduino (trying it out in 2015)

Versioning **Git** (way less relevant: svn, hg, perforce, but I used those too)

Databases Good knowledge of **SQL**; Redis; NoSQL vs SQL.

Administration **Ssh**, configuring Samba, Linux (mostly Ubuntu, then Debian, Gentoo), Windows (98 - Win7)

Web Decent understanding of HTTP, HTML, CSS; I used asp.net and even php back in days. Some understanding of SPA as in React and Angular.

Other used **Linux** since Red Hat 6.0 and Ubuntu 6.0, Windows since 3.11, DOS trying to run linux or open-wrt on pretty much everything with a cpu - in 2015 these were apc 8750 board and mini Xplus.

+ EDUCATION

2002 - 2007 Kyiv Taras Shevchenko University
Department of Computer Sciences, obtained diplomas:
bachelor of applied mathematics, specialist of Social Informatics.
Finalist in All-Ukrainian ACM Olympiad, 2003
Participated in Regional ACM Olympiad in Romania, 2003, 2004

1999-2002 Ukrainian Lyceum of Physics and Math
I participated in the All-Ukrainian Olympiads of Informatics in 2001, 2002.

+ SPOKEN LANGUAGES

Ukrainian (fluent), **English** (C1), **French** (B1), **German** (B1)

+ IMPORTANT ONLINE IDENTITIES

Stackoverflow <https://stackoverflow.com/users/58768/bohdan-trotsenko>
(current karma is 4,438)

+ OTHER [RELATED] SKILLS AND HOBBIES

attending conferences (MS SWIT 2012, IT Arena, GDG, Data Science UA 2019, 2020),

CodeJam (see www.go-hero.net/jam/12/name/modosansreves, see also years [08](#), [13](#), [14](#), then www.go-hero.net/jam/15/name/bohdan.trotsenko and years [16](#), [17](#), [18](#), [19](#), [20](#))

Learning languages

Toastmasters (public speaking and leadership club)

Eliezer Yudkowsky and his rationality sequences