

Ilya Skapenko

Experience

- 04.2022 – Present **Software developer**, *TradingView* www.tradingview.com.
Golang + kubernetes
- 2018.02 – 2022.03 **Software developer**, *SecurityScorecard* securityscorecard.com.
Was responsible for implementing and maintaining Big Data processing pipeline, that handled hundreds of terrabytes daily.
Key achievements:
- Multiple global and local pipeline performance improvements
 - Developed way to index custom file format for faster querying
 - Made file format language-agnostic. Added support for Python and Scala. Integrated with Apache Spark
- Used stack:** C++14/17, protobuf, bash, sqlite, scala, apache spark, python, aws s3, kafka
- 2020.03 – 2020.11 **Software developer**, *Inspera* www.inspera.com.
Implemented event-based audio, video and screen sharing processing in remote proctoring application.
Used stack: C++14, webm, opus
- 2019.02 – 2020.03 **Robotics intern**, *Remy Robotics* www.remyrobotics.com, Barcelona, Spain.
During my internship had introduction with ROS ecosystem, tried to solve pickup problem with Reinforcement Learning and controlled UR5 robot.
Used stack: ROS, Gazebo, Python, C++, Reinforcement Learning, UR5
- 2017.02 – 2018.02 **Embedded developer**, *ISOSCAN LTD* r-call.ru, Rostov-on-Don, Russia.
Was involved in bug fixing, Operation system configurating, creating build automation, code maintaining.
Key achievement:
- Rewrote almost from scratch queue management system
- Used stack:** C++, RTOS, Qt, Python, Arch Linux
- 2016.06 – 2017.02 **C++ programmer**, *Esignal*, www.esignal.com Rostov-on-Don, Russia.
Maintaining of existing applications: refactoring, implementing new features, fixing bugs.
Used stack: C++, boost

Skills

Professional

C++	<div><div></div><div></div><div></div><div></div></div>	Python	<div><div></div><div></div><div></div><div></div></div>
Go	<div><div></div><div></div><div></div><div></div></div>	Assembler (x86)	<div><div></div><div></div><div></div><div></div></div>
Scala	<div><div></div><div></div><div></div><div></div></div>		

Languages

English: Upper intermediate (B2)
Russian: Native

Education

University

- 2019.02 – 2020.03 **Harbour.Space**, *Barcelona, Spain*, Robotics.
- 2015.09 – 2017.08 **Master. Southern Federal University**, *Rostov-on-Don, Russia*, Faculty of Mathematics, Mechanics and Computer Science, Fundamental Informatics and IT.
- 2011.09 – 2015.08 **Bachelor. Southern Federal University**, *Rostov-on-Don, Russia*, Faculty of Mathematics, Mechanics and Computer Science, Applied Mathematics and Informatics.

MOOCs

- 2016.07 – 2016.09 **Embedded Systems – Shape the World**,
<https://courses.edx.org/courses/course-v1:UTAustinX+UT.6.03x+1T2016>.
- 2013.09 – 2013.11 **Quantum Mechanics for Scientists and Engineers**,
https://lagunita.stanford.edu/courses/Engineering/QMSE01/Quantum_Mechanics_for_Scientists_and_Engineers/info.
- 2013.06 – 2013.09 **Computer Networks**,
<https://www.coursera.org/course/comnetworks>.
- 2013.04 – 2013.06 **The Hardware/Software Interface**,
<https://www.coursera.org/course/hwswinterface>.

Public Activity

Speaking

- 04.2017 **LLVM. Code compaction**, *PLC-2017*, Rostov-on-Don, Russia, Southern Federal University,
<https://elibrary.ru/item.asp?id=29098144> [rus].