

PERSONAL DETAILS

Last Name: Kalujny
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Position: Software Engineer
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FOR DEVS [HTTPS://GITHUB.COM/IK80](https://github.com/IK80)

SUMMARY 15+ years experience.

Key skills: C/C++ (Java,Python), multithreading, networking, optimizations, development of distributed systems. Advanced Linux profiling and debugging.

Education M.Sc. in Applied Math from Saint-Petersburg State University.

TOOLS AND TECHNOLOGIES

Operating Systems	Linux, Windows, PS3/4 Xbox360/1
Design and development Methodologies	Scrum, TDD, Unit testing, Docker
IDEs and toolsets	MSVS, Eclipse, makefiles, cmake, gdb, valgrind, perf, heaptrack
Relational DBMS	Mysql, Postgres, Yandex.Clickhouse
Technologies and libraries	Boost.org libraries (threads, asio), RabbitMQ, protobuf, GRPC, ragel, JNI integration

PROJECT EXPERIENCE

Feb. 2022 - present **Amazon AWS, Berlin, Germany**

Position: SDE2 L5

Project: Amazon Redshift

Technologies: C++, gRPC

Responsibilities: Lead the effort of replacing Thrift based transport with gRPC in Redshift AQUA. Working on hybrid columnar/row storage for Redshift.

Feb. 2020 - Dec. 2021 **Funcom Inc., Oslo, Norway**

Position: Senior Software Engineer

Project: Unannounced

Technologies: C++, UE4

Responsibilities: UE4 engine modifications to support novel game features. RabbitMQ integration.

Sept. 2017 – January 2020 **Wargaming Inc., St. Petersburg, Russia.**

Position: Senior Software Engineer

Project: Unannounced

Technologies: C++, Java, GRPC, RabbitMQ, UE4

Responsibilities: Designing and developing server side for an upcoming MOBA game from Wargaming.net. UE4 plugin for GRPC integration.

December 2016 – Sept. 2017 **Netwrix Corp., St. Petersburg, Russia.**

Position: Senior Software Engineer

Project: DFS audit

Technologies: C++

Responsibilities: Developing Microsoft DFS audit subsystem for Netwrix Auditor suite.

June 2014 – December 2016 **Adriver.ru, St. Petersburg, Russia.**

Position: Senior Software Engineer

Project: Adriver.ru core

Technologies: C/C++, boost.org libraries

Responsibilities: Working on the core components of the Adriver.ru internet advertisement RTB system. Development and support of proprietary in-memory databases.

January 2014 – April 2014 GridGain Inc., St. Petersburg, Russia.

Position: Senior Software Engineer
Project: GridGain, C++ API
Technologies: C++, boost.org libraries
Responsibilities: Optimized and improved GridGain C++ client libraries.

July 2007 – January 2014 Sperasoft, Inc., St. Petersburg, Russia.

Position in the project: Senior Software Developer (credited)
Project: FIFA 14 XBOX1/PS4
Technologies: C++, PS4 SDK, XDK
Responsibilities: Worked on several features in carrer mode of the game

Position in the project: Lead Software Developer (credited)
Project: FIFA 13
Technologies: C++, PS3SDK, XDK
Responsibilities: Lead the refactoring effort for one of major features in game's frontend

Position in the project: Lead Software Developer (credited)
Project: FIFA Street
Technologies: C++, AS, PS3SDK, XDK
Responsibilities: Responsible for delivery of World Tour feature in the game.

Position in the project: Lead Software Developer
Project: SNEI.QA
Technologies: Core Java, JEE Web
Responsibilities: Responsible for supporting automated testing framework for a number of portals deployed by SNEI

Position in the project: Software Developer, Lead Software Developer
Project: SOEMON
Technologies: C++, Boost.org libraries, distributed computing, Core Java
Responsibilities: As a lead of medium-sized team, developed and supported distributed real-time monitoring framework used by SOE to monitor their online titles.

August 2003 – July 2007	Envion Software Ltd., St. Petersburg Russia			
	Position in the project: Software Developer Project: Transparent Language BYKI (R), SDE2000, etc Technologies: Win32, MFC/WTL, WinSock Environment: Windows, Windows Mobile, PalmOS Responsibilities: Development and support for SDE2000 (Transparent Language proprietary content creation toolset). Development of BYKI for Windows, Windows Mobile and PalmOS platforms.			
	EDUCATION AND QUALIFICATIONS			
2003	Saint-Petersburg State University Department of Applied Mathematics			
	TRAINING COURSES AND CERTIFICATIONS			
2001	State English language courses			
2009	Sun Java 6 certified			
2017	Deeplearning.ai by Andrew Ng et al.			
	OTHER SKILLS			
Languages				
English	Speaking	Writing	Reading	Understanding
IELTS 7.0	Fluent	Upper-Intermediate	Upper-Intermediate	Upper-Intermediate