Last Name: **Kaliuzhnyi**
First Name: **Ilia**
Position: **Software Engineer**
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SUMMARY	15+ years experience.
	Key skills: C/C++ (Java,Python), multithreading, networking, optimizations, development of distributed systems. Advanced Linux profiling and debugging. Game development.
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
IDEs and toolsets	vscode, makefiles, cmake, gdb, valgrind, perf, heaptrack
Relational DBMS	Mysql, Postgres, Yandex.Clickhouse
Technologies and libraries	Boost.org libraries (theads, 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 Lead the effort of replacing Thrift based transport with gRPC in Redshift AQUA. Worked on concurrent inserts for columnar storage in Redshift.
Feb. 2020 - Dec. 2021	**Funcom Inc., Oslo, Norway**
	Position: Senior Software Engineer Project: Dune Awakening 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: Steel Hunters 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