Aleksandr V. Katenin

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LiveJournal: https://aedit.livejournal.com/ Download: https://k4t3n1n.netlify.app/ k4t3n1n082021.netlify.app (New) GitHub: https://github.com/killeralex/cveng/

January 2022



KEYWORDS: Aerospace and Defense, Astra Linux, Automated Process Control System (APCS), Automation of Petroleum

Product Transportation, BI Engineer, Business Intelligence (BI), C#, Delphi, DevOps Engineer, GitLab, IBM MQ,

Information Technology, Help Desk, Jenkins, Jira Software, Jira Service Desk, MATLAB, Mathematical Methods in

Navigation, Open Platform Communications (OPC), Operational and Commercial Accounting of Petroleum Products, ORA,

Petroleum Product Transportation Operations, PhD, R&D, SmartGit, Software Engineer, Systems Analysis, Systems Analyst, TestComplete, Test Engineer, QA, Qt

Education	
Bauman Moscow State Technical University	(Feb. 2013 – Jun. 2015)
FN-12 Mathematical Modelling, no diploma	Moscow
Relevant coursework: C#, MATLAB	
Military University of the Ministry of Defense of the Russian Federation	2010
College of Foreign Languages	Moscow
Faculty of Retraining and Continuing Education	
Relevant coursework: Translation studies (English)	
Military Academy of the Ministry of Defense of the Russian Federation	(Sep. 2005 – Jul. 2007)
Faculty of the Diplomatic Service	Moscow
Regional geography (Japan, USA)	
PhD , 27.05.2004 г. (КТ №143946 25.03.2005)	2004
Foreign Information Center of the Ministry of Defense of the Russian Federation	(Sep. 1998 – Jun. 2003)
Postgraduate military course	Moscow
Regional geography (USA)	
Military Aerospace Engineering Academy named after A.F. Mozhayskiy	(Sep. 1992 – 06.1997)
Mathematical support for the functioning of automated control systems (Engineering	Saint Petersburg
mathematic)	
Math Engineer with honors (ABC № 0007247)	
CGPA: 4.98/5.0	
Relevant coursework: Vector quantization of images for special purposes	
Physics and Mathematics Gymnasium № 30	(Sep. 1990 – 06.1992)
A № 430571	Saint Petersburg
CGPA: 4.6/5.0	

Work & Research Work experience (23 years - 1992-1997-2019-2013): R&D, Teaching (Mathematical methods in navigation, Chair **Professor**), Software Engineer, Test Engineer, DevOps Engineer, Help Desk Engineer, BI Engineer, Systems Analyst – SoftDev, DevOps, Help Desk, BI **SPIN** 6877-5169, **ORCID** 0000-0001-9363-4886, **h** = **2** (06.12.2018) Leading researcher/development leader IGLS LLC/UKV (Jul. 2020) Personal contribution: Saint Petersburg 1 IT projects development plan was created

company was developed 3 the following architectural solutions in stock and initiative projects of IGLS LLC are

2 a Technical Assignment for the website of the IT department of the management

- architecture and patentable solutions for remote control and monitoring of a **network** of IoT devices

– development program for situational centers of the manufacturer and the customer	
- development program for situational centers of the manufacturer and the customer - training and certification program for the customer, dealer and manufacturer	
personnel	
Senior Process Engineer DevOps Group, InfTeh Ltd	(March 2018 – Nov.
Automation of petroleum product transportation	2019)
Responsibility: DevOps Engineer (PIPELINE: Jira Software, GitLab, Jenkins, QA),	Moscow
Technical Support Engineer (Automated accounting system of petroleum, Jira Service Desk), DB Administrator	Woscow
(ORA), Enterprise Applications Administrator (IBM MQ, OPC),	
BI Engineer and Systems Analyst (loading oil products in car tanks, operational and commercial accounting of	
petroleum products, petroleum product transportation operations, two hour operational data), <u>SoftDev Engineer</u>	
(Delphi, SmartGit), <u>Test Engineer</u> (TestComplete)	
Senior Analyst	(Feb. 2018 – March
Department of Management Information Systems, InfTeh Ltd	2018)
Automation of petroleum product transportation,	Moscow
Projects and predesign activities, analysis of customer requirements for expanding the	
functionality of information systems, requirements for development, testing,	
documentation and implementation of information systems	
Senior Researcher	(Nov. 2017 – Feb. 2018)
R&D Department № 3, Research Institute (Military-System Logistics Research of the	Saint Petersburg
Armed Forces of the Russian Federation), Military Academy of Logistics	
R&D (GOST RV), SoftDev Engineer (RAD Delphi, MVS C#/C++), combat simulation,	
automated logistics management system, automated construction of a graphical plan for	
operational and supply rail transport	
Leading Researcher	(Apr. 2016 – Oct. 2017)
Scientific and Technical Center № 2, Research Institute of Communication and	Moscow
Control Systems	
R&D (GOST RV), SoftDev Engineer (RAD Qt, Astra Linux), combat simulation	
(operational and tactical level R&D projects), Automated Communication Management	
System	
Deputy General Director for Science (CEO (R))	(Oct. 2013 – Sep. 2015)
Research and Testing Center of the Rocket and Space Industry	Peresvet
R&D	
Editor	(Nov. 2011 – Sep. 2013)
Military Industrial Courier (VPK) Weekly, Publishing House VPK-Media	Moscow
Associate Professor	(Sep. 2016 – Aug. 2018)
Department of Navigation, MSAWT	Moscow
Mathematical methods in navigation	1,10500 ,,
Head of department	(Sep. 2015 – Sep. 2016)
Department of Navigation, MSAWT	Moscow
Associate Professor	(Sep. 2008 – Sep. 2015)
	Moscow
Department of Navigation, MSAWT	Woscow
Application of the theory of random processes in navigation	(I 1 2007 D 2015)
Head of R&D Department Assistant	(Jul. 2007 – Dec. 2015)
Technical Information Center of the Ministry of Defense of the Russian Federation	Moscow
R&D, cataloging, UAV	
Student	(Sep. 2005 – Jul. 2007)
Military Academy of the Ministry of Defense of the Russian Federation	Moscow
Regional geography (Japan, USA)	
Head of R&D department Assistant	(2004 – Sep. 2005)
Technical Information Center of the Ministry of Defense of the Russian Federation	Moscow
Information systems design	
Senior Engineer	(2000 - 2004)
Technical Information Center of the Ministry of Defense of the Russian Federation	Moscow
Scientific and technical support R&D projects	
Adjunct (Student)	(Sep. 1998 – Jul. 2003)
Foreign Information Center of the Ministry of Defense of the Russian Federation	Moscow
Postgraduate military course	
Regional geography (USA)	
Engineer	(Jun. 1997 – 2000)
Technical Information Center of the Ministry of Defense of the Russian Federation	Moscow
· ·	MIOSCOM
SoftDev (RAD Delphi), DBA (Informix, Paradox), Microsoft Office Full	

Skills

Computer: MATLAB, LaTeX, Microsoft Office, C#, Delphi, ORACLE

Analytical: R&D (GOST RV), Automation of petroleum product transportation

Languages: Russian (Native Speaker), English B1, Japanese (Level 4 of the Japanese-Language Proficiency Test,

02.02.2008, № 4A221642, 07*7270101-40001), Português A2

Publications & Patents

59 publications, including 6 pubs (5 computer programs and 1 utility model) in Federal Institute of Industrial Property (FIPS, ROSAPO) and 6 patents, Hirsch Index 2 (06.12.2018)

Interests

Math modeling, combat simulation, SoftDev and gamification (Delphi, C#, etc), DevOps (K8s in perspective), doctoral dissertation «Methodology for the rational design of tactical modeling systems for the Navy» in progress, applications of the Net-centric warfare (NCW) theory for the armed forces

Perspective

- 1 Software development in Java/Scala/Kt and ELK (*nix) stacks
- 2 Do without a frontend programmer In the ELK stack due to the built-in database
- 3 Solution of choice: AWS/AWS IoT

Awards

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Annual competition Award 2007 «Research work in the field of navigational support for military operations of	2008
the Navy»	
The State Research Navigation-Hydrographic Institute (GNINGI) of the Ministry	
of Defense of the Russian Federation	
Blockhouse project, Order of the Head of GNINGI № 100, 06.05.2008	
Medal «For the best scientific student work-1997»	1997
Ministry of General and Professional Education of the Russian Federation	
Open competition for the best scientific work of students in natural, technical and	
human sciences in universities of the Russian Federation, 27.12.1997	

Teaching Experience

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Moscow State Academy of Water Transport (MSAWT)	Moscow
Associate Professor, Department of Navigation	(Sep. 2016 – Aug. 2018)
Mathematical methods in navigation to about 90 students	
Head of department, Department of Navigation	(Sep. 2015 – Sep. 2016)
Associate Professor, Department of Navigation	(Sep. 2008 – Sep. 2015)
Application of the theory of random processes in navigation to about 60 students	

Personal

Date of birth: 04 September 1975. Russian Federation

Objective: Information Technology, Automated Process Control System, Automation of Petroleum Product

Transportation

Relocation Preferences: Moscow, Saint Petersburg, Helsinki, Barcelona

Schedule: flexible schedule; full day; shift work; distant work **Misc:** Category B Driving License. Business trips are possible.

Geographic Mobility: Permanent Relocation/Temporary Assignment – Finland, Spain, Germany, Czechoslovakia,

USA, Russia (Moscow, Saint Petersburg)

Competencies: APCS (Automation of Petroleum Product Transportation), Automated Command and Control Systems (C4R), combat simulation, decision support system, mathematical methods in navigation, R&D

Technology stack: DevOps Engineer (PIPELINE: Jira Software, GitLab, Jenkins, QA); Technical Support Engineer (Automated accounting system of petroleum, Jira Service Desk), DB Administrator (ORA), Enterprise Applications Administrator (IBM MQ, OPC), BI Engineer and Systems Analyst (loading oil products in car tanks, operational and commercial accounting of petroleum products, petroleum product transportation operations, two hour operational data), SoftDev Engineer (Delphi, SmartGit), Test Engineer (TestComplete)

Meetups & Certificates

CCNA Network Security, Computer Training Center «Specialist» at Bauman MSTU,	Moscow Dec. 2021
04.12.2021 – 25.12.2021	
CCNA 7.0 Introduction to Networks & Switching, Routing, and Wireless Essentials,	Moscow Nov. 2021
Specialist,12.09.2021 – 28.11.2021	
Seminar «An example of using the Web Storage API», Specialist, 26.08.2021	Moscow Aug. 2021
Portuguese, A 2.1, Centro de língua e cultura portuguesas, 04.10.2021–20.12.2021	Moscow Dec. 2021
Portuguese, A 1.2, Centro de língua e cultura portuguesas, 25.05.2021–06.08.2021	Moscow Aug. 2021
Portuguese, A 1.1, Centro de língua e cultura portuguesas, 02.02.2021–16.04.2021	Moscow Apr. 2021

Intensive training programm	ne «Java for Beginners», GeekBrains, № 0711049, 25.01.2020	Moscow Jan. 2020			
Intensive training programme «Python for Beginners», GeekBrains, № 0710616, 24.01.2020 Moscow Ja					
Intensive training programme «Basics of programming», GeekBrains», № 0710472, 24.01.2020 Moscow Jan. 2020					
Intensive training programm	ne «Swift for Beginners», GeekBrains, № 0709789, 22.01.2020	Moscow Jan. 2020			
Intensive training programm	ne «C# for Beginners», GeekBrains, № 0709763, 22.01.2020	Moscow Jan. 2020			
Intensive training programm	ne «Web Development for Beginners», GeekBrains, № 0708439, 20.01.2020	Moscow Jan. 2020			
Intensive training programm	ne «Web Design Basics», GeekBrains, № 0708265, 19.01.2020	Moscow Jan. 2020			
The Dawn of a New Error w	rith Phil Nash (guest), JetBrains, 21.01.2020	S.Ptrsb. Jan. 2020			
SpbDotNet № 56 (guest), Je	SpbDotNet № 56 (guest), JetBrains, 16.01.2020 S.Ptrsb. Jan. 2020				
References					
Interim Head of the Technical Information Center MajGen. Doctor of Technical Sciences, Professor G. Kuzmin	«Katenin A.V. is a highly qualified specialist in the field of systems analysis and he has a language skills, however, he agrees to be fired for organizational activities and has express to receive additional education at the Military University of the Ministry of Defense of the Federation. In 2003 he successfully completed the postgraduate military course of the Foreign Inform Center of the Ministry of Defense of the Russian Federation. Area of interests – USA. In 2005 – 2007 he studied at the faculty of the diplomatic service of the Military Academ the Ministry of Defense of the Russian Federation, expelled. The country of specializatio speaks English and Japanese (English is a two-year program without a certificate, Japane certificate). He has 2 state registration certificates for computer program (FIPS)».	ssed a desire le Russian lation ly of n is Japan. He			
CEO Publishing House VPKMedia Z. Gurieva	«Fully meets the requirements for specialists in information and analytical activities. Knowledge of weapons and military equipment, high efficiency, responsibility, ability to team».				
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Additional references are available upon request

rev. 05.01.2022

14.10.2013

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VI PROSPECTIVE DEVELOPER STACK (ENGINEER STACK – AWS/AWS IOT, OpenShift)

Java

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