

Anton Egorchev

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Senior IT project manager, research engineer

SOFTWARE / HARDWARE DEVELOPMENT ■ SCIENTIFIC RESEARCH ■ SYSTEMS ENGINEERING

- **Research experience:** research scientist in the fields of expertise and research fellow with 8-years complex system engineering; 7-years of teaching mastery in the fields of expertise.
- **Qualifications:** Specialist degree in «Applied Mathematics and Computer Science» (Institute of Computational Mathematics and Information Technologies, Kazan Federal University); Specialist degree in «Management» (Institute of Social Sciences and Humanities); Postgraduate degree in «Systems analysis, Information management and processing» (05.13.01).
- **Expert in project management:** management and successful completion of more than 20 R&D projects (up to 2.4 million USD per project and more than 8 million USD in total).
- **Expert in extreme development methods.** Able to manage medium-to-large project teams (up to 30 men) and known for high-quality deliverables that meet or exceed timeline and budget targets.



Skills Summary

Project management:	Research activities:	IT Projects Lifecycle:	Team management and partner management:
Systems Engineering	Mobile app development	Requirements analysis	Cross-Functional Supervision
Specialist in extreme development methods	ADAS systems and vehicles automation	Tech Writing	Team Building & Mentoring
Enterprisewide and Governmentwide Implementations	Machine vision systems	Project Scheduling	Business & IT Planning
	Virtual test sites and virtual sensors	Testing/QA/Rollout/Support	Vendor Management
	Sophisticated technological systems modeling		
	High-level software		

Major clients:

MIA of Russian Federation FSB (Federal Security Service) KFU (Kazan Federal University)
EMERCOM of Russia Kamaz

Career Progression

- SOSh (General Education School) №113 (Kazan) lab assistant, system administrator, 2010-2011.
- R&D Center «Navigation Technologies» (Kazan): lead software engineer, head of high-level design crew – 2011-2013.
- Kazan Federal University, ITIS Higher Institute: lecturer in wide variety of subjects in the fields of expertise for any-year students, 2012-2017.

Anton Egorchev, Page Two

- Kazan Federal University: research fellow in «Perspective Orientation, Navigation, and Communication Systems» lab, 2013 TILL NOW.
- KAMAZ R&D Center - chief expert in unmanned vehicles, deputy head of staff in vehicles automation, 2016 TILL NOW.
- Chief technical officer in OOO «R-Visioneer» - startup company in the field of machine vision infrastructure projects - 2016-2018.
- Director general and co-founder of OOO «Legenda-M» - company engaged in mobile app development and technological projects. - 2017-2019.

Representative Projects (2008 - 2018)

Government-wide projects (all project were performed successfully without deadline shifting):

1. Contract from KAMAZ PTZ on ADAS 4+ level system for truck vehicles, haul-dump trucks and intellectual infrastructure automation: "Golem".
2. Government Contract on complex R&D 13.07.2009 #157-2009/54: «Design of complex software platform for Russian-wide dedicated control and monitoring of critically dangerous and important cargo and all classified infrastructure objects movements» - federal wide GIS-oriented complex infrastructure software system.
3. Government Contract on complex R&D 12.04.2013 #45-2013: «Design of complex software platform for Russian-wide monitoring and control of all types of special teams, compliant infrastructure objects and administration personnel» - federal wide GIS-oriented complex infrastructure software system.
4. Government Contract on custom engineering and further supplying 15.10.2013 № 0173100012513000718-0008205-02 (engineering and manufacturing equipment for more than 5 million USD in period of 4 months): «Irbis-D – wearable complex of telescopic hybrid videosurveillance system for task forces».
5. Government Contract on custom engineering and further supplying 15.10.2013 № 0173100012513000718-0008205-03 (engineering and manufacturing equipment for more than 2 million USD in period of 4 months): «Irbis-K – special rugged command-and-control workstation and software framework for monitoring and control of tactical operations».

Major scientific-based projects (all project were performed successfully with full KPI):

All substitute scientific projects were funded by 5Top-100 Federal program:

1. «Lily» project - «Smart voice recorder» mobile app - team of 10 members. Became AppleInsider Editor's Choice twice.
2. «Shkola Sov» - series of mobile apps with speech recognition - team of 10 members. Unique product in the market.
3. OpenLab «Andromeda» - SDI virtualization complex software framework – 7 KFU members, in collaboration with Russian Academy of Sciences.
4. OpenLab «Rainbow»: Image fusion and multispectral imaging – 12 KFU members, classified, in collaboration with Russian Ministry of Defense.
5. OpenLab «Flywheel»: High-density kinematic energy storage – 7 KFU members, KFU-only.
6. OpenLab «Ariadna»: Navigation systems for autonomous platforms – 8 KFU members, in collaboration with Russian Academy of Sciences and Royal Imperial College.
7. Project «Murometz»: Bipedal locomotion on complex terrains – 12 members, KFU-only.
8. Project «Easy2See» project - cross-platform hardware and software system for equipping robotic systems with machine vision system – team of 10 members.
9. Project «TNG» project - hardware-methodical system for seismic signals reception in borehole for vertical seismic profiling, crosshole survey and hydraulic fracturing monitoring – team of 25+ members.
10. Project «Odyssey» – ADAS 4+ level system for truck vehicle automation, 70+ members.
11. Project «Samson» – ADAS 4+ level system for haul-dump truck (mining) automation, 40+ members.
12. Project «Satellite» - Onboard multimedia and online-diagnosis system for nowadays KAMAZ trucks.
13. Project «Frontier» - Research&Development of the next generation KAMAZ trucks universal vehicle architecture.

Key features

Key features as PM

- Creation and led of balanced teams across different broad technical, scientific and business disciplines. Focused teams on business objectives and tracked progress to ensure project milestones were completed on time, on budget and with the desired results.
- Mitigated risk factors through careful analysis of current tech. progress and previous statistical data. Anticipated and managed change effectively in rapidly evolving requirements and extremely tight time ranges.
- Defined processes and tools best suited to each project; always takes part in creating technical requirements and terms of reference for ongoing projects.

Key features as researcher

- Wide range of interests with deep expertise and extensive real life project implementations – from indoor navigation systems to machine vision and swarm-based artificial intelligence.
- Significant research progress – more than 50 journal publications and patents in the 2015 - 2019; author of two courses related to cross-platform programming and CUDA programming.
- Wide range of specific skills: programming experience in more than ten languages – C, C++, C#, Java, Delphi, MATLAB, PHP, JavaScript, Python, VBA, Swift.

Key features as society member

- 29 years old, not married, no bad habits. Loyal to his family, friends and colleagues, creative. Loves his cat:D

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