



SERGEY IVLIEV

DEVELOPER, SYSTEM DESIGNER, MANAGER

NOW

- The development of architecture and software for the smart lock system. Organization of testing, collection of experience, integration with partner systems. Control of the process of the final assembly of devices: purchase of components, staff training, control
- Lecturer at NRU MPEI, at the Department of Applied Mathematics and Artificial Intelligence. I am engaged in conducting seminars and lectures on the disciplines "Theory of Decision Making", "Fundamentals of Artificial Intelligence", "Expert Systems". I am one of the organizers of the ICPC preparation club

EDUCATION

- Bachelor - 2012, MSTU. named after Bauman, Department of IU-7. Software engineering
- Master - NRU MEI, 2015, Department of Applied Mathematics
- I am preparing to defend a Ph.D. thesis on the analysis of pathologies of vision using machine learning
- 6 publications in Scopus, 3 publications of the Higher Attestation Commission

CAREER

- 2011 - 2012: System Administration, LLC "Finance-IST". A network of ~ 10 computers, 1C, Linux, deployment of shared resources, remote access, user support
- 2012 - 2013: Development of flight recorder analysis systems for predicting equipment failures (2 publications on the topic of work at Scopus). Computer vision systems for tracking objects in Sysoft LLC
- 2014 - 2017: Development of failure collection and analysis systems at PJSC IL
- 2014 - 2018: Own business. Procurement planning, market analysis for supply and demand, work with suppliers. Creation of a store website, integration with CRM, 1C, delivery services, work with online cash desks
- 2017 - 2019: IP, development of devices, and control systems for them to order
- Since 2015: lecturer at MPEI
- Since 2019: the design of smart locks. Customer and details under NDA

ACHIVEMENTS

DESIGN AND DEVELOPMENT

- Software and equipment for managing the immersion cooling system ⇒ the ability to remotely control and collect data on the state of the mining cell and its cooling
- A mobile application for managing smart clothes ⇒ temperature control depending on the street, maintaining the set temperature
- Architecture and implementation of software for smart locks ⇒ modular architecture using containers, high reliability for working in conditions of secure communication, with protection against hacking. Test coverage, use of ORM, Time-Series DB, In-Memory DB, monitoring setup ⇒ improving reliability (SLA > 99.9%), and high processing speed (2s < to command process)
- Development of trade software integration and management ⇒ reduction of time for routine operations (2 hours per day), improving the quality of service (+110% LTV)

EDUCATION

- Participated in the introduction of Coursera and Leetcode sites into standard educational courses ⇒ students, in addition to basic training, able to obtain relevant skills required by employers
- Organizational and methodological activities in the sports programming club ⇒ the emergence of several permanent teams to participate in the ICPC, the emergence of a community interested in learning new students
- Participation in the program "Big Challenges - 2019" in the Sirius Educational Center in Sochi. Project "Automation of the operation mode of the cascade of hydroelectric power stations" ⇒ helped students to manage their project, the project was completed on time, received high marks, two students received special certificates for successes

MANAGEMENT

- Participation in the creation and activities of the "Arudinobazar / Tochka Paiki" store ⇒ obtaining skills in conducting business processes, organizing accounting, negotiating, advertising, communicating with suppliers, customers
- Sports programming group and student groups ⇒ implementation of new educational programs, student projects, gathering groups of students to implement projects
- Deployment of assembly lines and training of personnel ⇒ the ability to assemble devices in Russia without revealing the technologies to anyone other than assemblers

CONTACTS

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