

Ivan Khomiakov

Moscow | +7 (916) 8295458 | i.s.khomiakov@gmail.com



Personal profile statement

Creative, responsible, motivated. Educated and experienced software engineer, looking for a project to help your business grow in a new world of digital data and interrelations. I strongly believe, that automation and data processing should work for people in the most effective way and thus give them an opportunity to focus on other, more creative and matters.

Work experience

ENGINEER | JSC ASE-EC (ROSATOM STATE CORPORATION ENGINEERING DIVISION) | SEPTEMBER 2017 – CURRENT TIME

- Business analysis
- Process design
- Software design: Company IT-Architecture, usage diagrams, requirements design
- Software testing

TELEMARKETING SPECIALIST | TINKOFF BANK | MAY 2017-JULY 2017

- User consultations, data actualization

TRAINEE | AO "NIKIET" | SEPTEMBER 2016 – JUNE 2017

- Mathematical models design,
- Experiment design,
- Software development for experiment design (as part of an experiment on the selection of antifriction surfaces on the elements of the ITER blanket).

Education

PHD CANDIDATE | NATIONAL RESEARCH NUCLEAR UNIVERSITY 'MEPHI', MOSCOW

- Specialization: System analysis and management
- General skills: System analysis, decision management

MASTER | 2019 | HIGHER ENGINEERING SCHOOL 'MEPHI', MOSCOW

- Specialization: Software engineering
- General skills: Software design, Data science, System analysis, Project management

BACHELOR | 2017 | NATIONAL RESEARCH NUCLEAR UNIVERSITY 'MEPHI', MOSCOW

- Specialization: Applied mathematics
- General skills: Mathematical modelling, Game theory, Optimization methods, Statistics, multiprocessing programming

ADDITIONAL EDUCATION:

- "Energy of leadership" – Rosatom Academy personnel reserve educational program, 2019-20,
- Efficient communications – Rosatom Academy, Moscow, 2019,
- IPMA level D – certified project management specialist, IPMA, Moscow, 2018,
- Summer school of methodology of P.Shedrovitskiy Yurmala, Latvia, 2018,

English language and Natalia Serdyukova

- teamwork practice at Manhattan College, New York, USA, 2011,
- English language practice at Simons University of Boston, Massachusetts, USA, 2010.

Experience:

- Participated in 3 software development projects at Rosatom state corporation. Have been dealing with hundreds of users, multiple stakeholders and the latest intellectual technologies,
- Contributed to an experiment for ITER project. I developed a mathematical experiment design and achieved the potential costs optimization by 50 times,
- Took part in an IT-architecture development project for the Rosatom State Atomic Energy Corporation Engineering Division,
- Experienced in business analysis and audits in a company with 17000 employees,
- Designed more than 50 different functional modules, using bpmn, as well as class, actor and usage diagrams in a number of different software: MS Visio, Enterprise Architect, ArchiMate, etc.

Professional skills

SOFTWARE DEVELOPMENT

- System analysis, development of requirements list, software architecture design,
- Experienced in developing in a number of programming languages: C, C++, Python, Swift in the following environments: Google Colab, Xcode, MS Visual Studio, Qt, Jupyter notebook,
- Multitasking programming experience: Win32 API, GPU calculations,
- Data analysis, optimization methods, data analysis skills, analytical diagrams,
- IOS-programming, skills of Google Firebase integration.

PROJECT WORK

- Software development from an idea to an implementation,
- «Scrum», «Agile», «waterfall» and «fast prototype» project management approaches,
- Business analysis, audits carriage,
- Took part in numerous digital improvement projects in Rosatom.
- Experienced in project presentation to the top management of a state corporation and more than 100 people (in Russian & in English),
- Teamwork skills, practiced in the Manhattan college, USA,

Other achievements

- Speaker at International Youth Nuclear Congress 2020 in Sydney, Australia,
- TEMP-2018 finalist – Presented to the top management of Rosatom one of the 6 projects that reached the final,
- 3rd place at the conference of young specialists "Innovations in nuclear energy 2017" with a report on the optimization of the experiment,
- Winner in the nomination "Physics and Astronomy" at the competition of scientific works of the "Russian Association for the Advancement of Science", Moscow, 2017,
- Member of Rosatom personnel reserve program "Energy of leadership",
- Member of a business-club "Digital seasons",
- Member of Russian youth nuclear community,
- Member of youth programs and conferences on digitalization of Rosatom State Corporation,
- A number of sports and theatrical achievements holder,
- English level – upper-intermediate,

- Experienced traveler.