

Alex Khlystun

PROFILE

Java Developer
PhD, Associate Professor

Location: Kyiv, Ukraine
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SUMMARY

Highly Educated, Motivated, Skilled and Responsible Java Developer focusing on Highly Intelligent and HighPerformance Programming Product. Strong Analitical, Mathematical and Problem-solving Skills. A very good Business Logic Developer.

EDUCATION

- PhD, Engeneering, Kiev Institute of Civil Aviation Engineers (NAU currently), Ukraine.
- Mechanical Engineer, Kiev Institute of Civil Aviation Engineers, Ukraine.

SKILLS

- Java SE / Java EE Technologies: Java SE11, JavaFX, OOP, JDBC, JNA, Spring, Maven, Multithreading and Parallel computing, JUnit Jupiter testing.
- Programming languages: Java SE11, Fortran, MatLab.
- Software Development: Software Design Principles, GoF Design Patterns, Team Work, Agile Methodologies, Spring Tool Suite.
- Business Logic Development: Math Modeling, Optimization, Identification, Algorithms, Feedback and Adaptive Control Systems, Pontryagin's Maximum Principle.

WORK EXPERIENCE

2015.09/ **Java-developer**

Present Personal Initiative (Kyiv, Ukraine)

- Working with Java SE11 on a daily basis.
- Working with Java EE technologies: Spring (core, boot, data, testing, web), Maven.
- Interactioning with DB: RDBMS (Postgres), NoSQL (Redis), JDBC, ORM (Hibernate).
- Using frameworks of containerization (Docker) and streaming (Kafka).
- Developing software with Multithreading and Parallel computing.
- Interlanguages communication by Java using JNA (Java-Fortran).
- Developing GUI (JavaFX) and CLI for Desktop Applications.
- Cooperation with USA customer.

2004.12/ **Associate Professor**

2015.08 National Aviation University (Kyiv, Ukraine)

- Developed and conducted for aircraft designing students several courses of Math Modeling, Computer Programming and Automatic Control Systems with appropriate software (Fortran, MatLab).
- Developed math model, algorithms and software for simulation and researching of aircraft pneumatic system.

1994.11/ **Senior Designer, Team Lead**

2004.11 Antonov Aircraft Design Bureau (Kyiv, Ukraine)

- Formulation of the problem in domain of an aircraft gas-dynamics and thermal processes in emergency situations and extreme environments of flight.
- Business logic development (math modelling, optimization and identification, solving algorithms).
- Designed and developed packages of computing programs (Fortran, IMSL).
- Participated in Designing of Aircraft: [An-70](#), [An-124](#), [An-148](#), [An-74](#), [An-140](#), [An-38](#).

Certifications of advanced training courses: Mathematics in Engineering, PC Mastering, English specialty.

Languages: English professional working proficiency, Ukrainian native, Russian bilingual proficiency.