

# Andrei Popikov

Software Engineer

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I am a software engineer with 10+ years of experience specializing in Java and Kotlin development (actively using Kotlin since 1.2). I have extensive experience working with frameworks & libraries such as Spring, Hibernate, jOOQ, testcontainers and many others. Additionally, I have good leadership & communication skills and I'm always trying to understand business needs.

## Main skills

Kotlin, Java, Spring Framework (Boot, Security, Cloud), jOOQ, Flyway, PostgreSQL, Apache Cassandra, Clickhouse, Kafka, testcontainers, API design (Swagger / OpenAPI standards), Angular, TypeScript, software architecture, application performance analysis (async-profiler, YourKit), cloud technologies (mostly AWS) including hybrid solutions, building & leading software engineering teams, agile methodologies.

## Experience

2020 – present  
January

### Lead Software Engineer, *Madtest*

- Joined Madtest at an early stage, responsible for backend development and infrastructure.
- Developed many parts of existing solution including core logic, auth, payments, etc; using Kotlin as the main language alongside Spring Framework, with PostgreSQL and Clickhouse for data storage.
- Implemented a hybrid cloud infrastructure that leverages AWS and on-premise servers, significantly reducing operational costs while ensuring high availability.

2021 – 2023  
December August

### Lead Software Engineer, *Technolab (part-time)*

- Joined as a lead engineer to assist in performance optimizations and architectural improvements for one of the largest ticket-selling platforms in a region.
- Led efforts in building and onboarding a new development team to enhance the platform's scalability and reliability.
- Worked on existing services written in Java (with Spring, Hibernate), worked closely with DevOps team to improve overall maintainability.

2020 – 2021  
August      October

**Sr. Java Developer, Iconsoft**

- Developed new and maintained existing services written in Java (JHipster-based projects).
- Assisted in the adoption and integration of the Camunda BPMN platform to make process management more flexible & observable.

2015 – 2019  
February      December

**Lead Software Engineer, Inleksys, Voronezh**

- Built & lead development team (around 10 devs).
- Worked on development of web applications using technologies such as Java, Kotlin, Spring, PostgreSQL, Redis, Kafka, TypeScript, Angular.
- Improved CI/CD processes, introduced & standardized peer-code reviews practice among different teams.
- Participated in development of prototypes and proof-of-concept solutions for different customers (IoT projects, mobile applications based on the Flutter platform).
- Actively participated in the company's HR processes:
  - Participated in technical interviews, worked on improving hiring processes.
  - Organized and led several courses on the basics of Java and web development for students.

2014 – 2015  
February      January

**Software Engineer, Vistar, Voronezh**

- Developed web services using Java, Spring, MyBatis for real time public transportation monitoring system.
- Developed several mobile application prototypes using Apache Cordova (Angular.js / jQuery).

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## Languages

Russian    native  
English    fluent  
German    beginner (A2)

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## Education

2012–2016    **Voronezh State University;**  
Studied computer science @ Faculty of Computer Science;  
Programming and Information Technologies Department;

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## Hobbies & interests

IoT devices development (mostly STM32/ESP32 based). I have a bit of experience working with DSP/FPGA (mostly Xilinx-based FPGA) & designing basic circuits.