



# Alexander Shirkov

Fullstack Java / Vue.js developer

📍 Barnaul, Russia

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## EXPERIENCE

### LynxSoft (Barnaul, Russia) — *Java / Vue.js developer*

February 2017 - Present

Software development (backend: Java 8/11/17/21, frontend: Vue 2/3 + Vuetify.js).

- + Several completed and supported healthcare projects, operating in more than 30 states of Russian Federation: laboratory, medical and transplant center information systems
- + Several completed, published to mobile distribution services (PlayMarket, AppStore, RuStore) and supported mobile applications (written on Apache Cordova platform) in healthcare sector: making an appointment to a doctor, viewing personal history of appointments and visits to the laboratory
- + Migrated several modules of laboratory information system from Oracle DBMS to Postgres (as part of development team)
- + Integrated electronic signature module into laboratory information system (using CryptoPro CSP and VipNet cryptographic providers)
- + Developed architecture and web-interface for the doctor appointment plugin
- + Developed a module for generating structured electronic medical documents (HL7/FHIR) in XML format based on laboratory system data
- + Implemented and launched one project in equipment remote control and monitoring scope (using Modbus and SNMP protocols)
- + Implemented and launched one project in transport monitoring scope
- + Developed several projects for internal company usage: a time tracking system, a system for collecting and storing statistical information about clients installed laboratory systems, a system for recording and storing information about medical equipment used by clients, a system for searching orders and results in external medical and laboratory systems
- + Training new employees of the company, conducting a code review

### Alawar Stargaze (Barnaul, Russia) — *Intern developer*

July 2016

Porting of previously developed game projects into a new game engine.

- + Creating mini-games on C++ language
- + Scripting game scenes

## SKILLS

### Backend

Java 8/11/17/21, Spring, Hibernate, jOOQ, JasperReports, Apache Wicket

### Frontend

JavaScript, Vue 2/3, Vuetify, Vuex/Pinia, jQuery

### Databases

PostgreSQL, Oracle, Apache Derby, H2

### VCS

Git, Mercurial

### etc.

Jenkins, GitHub Actions, GitLab, Docker, Apache Cordova, Modbus RTU/TCP, TSPL/EPL/ZPL, Python, JavaFX, Swing

## LANGUAGES

**Russian** — Native

**English** — B2 (Upper-intermediate)

## EDUCATION

### Altai State Technical University

(Barnaul, Russia) — «*Computer Science*» (*Master*)

September 2017 - July 2019

### Altai State Technical University

(Barnaul, Russia) — «*Software Engineering*» (*Bachelor*)

September 2013 - July 2017