

# Andrei Punko

Senior Java backend developer with 13-years experience in the creation of web- and distributed applications

- Main technology stack - is Java with a standard set of frameworks for backend development
- Have hands-on experience with Git and CI tools
- Able to use Unix command line in the scope of usual backend tasks
- Have knowledge of common algorithms and data structures
- Able to cover code with a wide range of tests: unit / integration / functional / performance
- Have some experience in math, physics and numerical modeling
- Likes clean & tested code, refactoring, write documentation

## Contacts

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## Links

- Github: <https://github.com/andrei-punko>
- Youtube: <https://www.youtube.com/@andd3dfx>
- This CV: [https://raw.githubusercontent.com/andrei-punko/cv/master/CV/pdf/Andrei\\_Punko\\_CV\\_\(eng\).pdf](https://raw.githubusercontent.com/andrei-punko/cv/master/CV/pdf/Andrei_Punko_CV_(eng).pdf)

## Education

- Belorussian State University. Faculty of Physics. 5 years of education
  - Qualification "Physicist-Researcher"
  - Specialization "Solid-state physics"
- English - B1 (Intermediate)

## Business-Domains

- FinTech
- Entertainment
- Blockchain
- Documentation
- Travelling

## Key skills

- Java 6-17 and a bit of: Groovy, Kotlin, Go, Lua, C, Python
- Spring (Core, Boot, Data, Rest), Jackson, MapStruct, Lombok, Akka, Quartz, Camel
- JPA, Hibernate, iBatis, Liquibase / Flyway, SQL
- H2, Oracle, PostgreSQL, Redis, Tarantool
- JUnit, Mockito, JMock, Wiremock, Testcontainers, Spock, Gatling, k6
- Maven, Gradle
- Nexus, JFrog
- Jenkins, TeamCity
- ActiveMQ / RabbitMQ
- REST API, Microservices, ELK, Grafana
- AWS, Docker, OpenShift
- Software Development Principles and Concepts, Design Pattern (MVC, MVP, SOLID)
- IntelliJ IDEA, Postman, SoapUI, DBeaver, SQL Developer
- Git, Gitlab, Bitbucket and a bit of: SVN, Perforce
- JIRA, Rally, Confluence, Swagger, ClickUp

## Additional information

- Location: Minsk, Belarus
- Timezone: GMT+3
- Likes: coding, swimming, reading
- Not interested in projects related to gambling, forex, dating or other immoral activity

## Companies / Projects

### Bell Integrator

**2023-Jun - now (1 year 6 months)**

- Position: Senior Software Engineer

- Customer: Sberbank (largest bank in Russia and Eastern Europe)
- Project: Development of microservices for backend of a bank
- Team Size (devs): 6-8

Environment:

- Java 15/17
- Spring (Boot, Rest, Data), Lombok, MapStruct, Docker, PostgreSQL, Liquibase
- JUnit, Mockito, Testcontainers
- Gradle, Jenkins
- Git, Bitbucket
- IntelliJ IDEA, DBeaver
- OpenAPI, Swagger

Tasks performed:

- Integration with external REST APIs
- Development of new APIs using OpenAPI approach
- Code review

## iTechArt

**2022-Jul - 2023-Jan (7 months)**

- Position: Senior Software Engineer
- Customer: Altir (American startup)
- Project: Migration of Python-based service to Java for Soundful product
- Team Size (devs): 1-3
- GitHub profile on a customer account: <https://github.com/apunko-altir>

Environment:

- Java 11, Python 3
- Spring (Boot, Rest, Data), Lombok, MapStruct, Docker, PostgreSQL, Liquibase
- JUnit, Mockito, Testcontainers, JMeter
- Gradle, Jenkins
- AWS S3
- Git, GitHub
- IntelliJ IDEA, PyCharm, Postman, DBeaver
- ClickUp, Swagger

Tasks performed:

- REST API design & implementation
- Migration of Python code to Java
- Implementation of hybrid tests for comparison results of run migrated Java code and Python code
- Documentation preparation, knowledge transferring, code review, preparation & showing demo
- Organization of knowledge transferring sessions
- Manage team of 3 people

## Artezio

**2021-Apr - 2022-Apr (1 year)**

- Position: Lead Software Engineer
- Customer: VTB (one of TOP-3 Russian banks)
- Project: Development of ATM backend (7 microservices)
- Team Size (devs): 9 (half year), 3 (half of year)

Environment:

- Java 11, Lua
- Spring (Boot, Rest, Data), Lombok, MapStruct, OkHttp, Tarantool, Docker
- JUnit, Mockito, Wiremock, Testcontainers, JMeter, Sonar
- Gradle (composite build), TeamCity
- OpenShift, Grafana, Prometheus, Fluent Bit, Jaeger
- IntelliJ IDEA, Postman, Git, Bitbucket
- Jira, Confluence, Swagger

Tasks performed:

- REST API design & implementation
- OpenShift services configuration adjustment
- Setup of logging, monitoring, tracing, audit for services
- Documentation preparation, knowledge transferring, code review
- Participation in performance testing

## Epam Systems

### 2020-Sep - 2020-Oct (2 months)

- Position: Senior Software Engineer
- Customer: Amazon
- Project: Development of software for a home security device
- Team size (devs): 5

#### Environment:

- Proprietary framework for web-services development
- Proprietary build tool
- Git, Docker
- AWS cloud
- IntelliJ IDEA

#### Tasks performed:

- Implement API & tests for it
- Development of some CI pipeline parts
- Painful usage of proprietary tools on VM environment

### 2019-Nov - 2020-Aug (10 months)

- Position: Senior Software Engineer
- Customer: Epam Systems (Outsource company)
- Project: Development of Blockchain-based app prototypes, based on Corda DLT for potential customers
- Team size (devs): 3

#### Environment:

- Java 8, Groovy, Go
- Spring (Core, Boot, Rest, Data), Lombok, MapStruct
- Corda, Hyperledger (Composer, Fabric)
- H2, PostgreSQL, LevelDB
- JUnit, Mockito, Spock, Gatling, k6
- Gradle, Jenkins (with DSL)
- Git, Gitlab
- IntelliJ IDEA
- Confluence, Swagger

#### Tasks performed:

- Design and implement REST API
- Functional/Performance tests implementation
- Demo preparation & demonstration
- Documentation preparation
- Passed Corda certification (private blockchain)
- Developed several Blockchain-based application prototypes

### 2019-Apr - 2019-Oct (7 months)

- Position: Senior Software Engineer
- Customer: QVC (German retailer / TV-shop)
- Project: Support development effort for QVC company
- Team size (devs): 3

#### Environment:

- Java 6
- Jackson, iBatis, JiBX, Spring (Core, Rest)
- JUnit, Mockito
- Oracle Siebel CRM, IBM WebSphere
- Maven, Jenkins
- SVN
- IntelliJ IDEA
- JIRA

#### Tasks performed:

- Implemented integration with external Payment Authorization API with security certificates support
- Implemented batch jobs with required business logic
- Documentation preparation

### 2018-Nov - 2019-Feb (4 months)

- Position: Senior Software Engineer
- Customer: Microsoft

- Project: Development of doclet for creation of Java docs using DocFx approach from Microsoft
- Team size (devs): 1
- GitHub repository on a customer account: <https://github.com/docascode/docfx-doclet>

Environment:

- Java 11
- Jackson
- JUnit, Mockito, Jacoco
- Maven
- Git, GitHub
- IntelliJ IDEA

Tasks performed:

- Design application architecture
- Implementation of doclet using modern approach introduced in Java 9

### **2018-Jun - 2018-Nov (5 months)**

- Position: Senior Software Engineer
- Customer: Epic Games (Developer of games and tools)
- Project: Play an owner role of one of microservices for Epic Games Social Platform
- Team size (devs): 10+

Environment:

- Java 8
- Spring, JPA, Hibernate, JAX-RS
- JUnit, Mockito, Gatling
- PostgreSQL, Redis
- AWS (EC2, Route53, Elastic, Aurora, CloudWatch)
- Git, GitHub, Perforce
- Gradle, TeamCity
- IntelliJ IDEA
- JIRA

Tasks performed:

- Made DB performance optimizations
- Design & implement Cursor API (client cursor as alternative to pagination)
- Migration VCS from Perforce to Git. Setup of CI for that (jobs, pipelines, notifications)

### **2017-Jun - 2018-Feb (8 months)**

- Position: Senior Software Engineer
- Customer: Intercontinental Hotels Group (Worldwide hotel network)
- Project: Development of a loyalty system for IHG hotels network
- Team size (devs): 40+

Environment:

- Java 8, Groovy
- Spring (Core, Boot, Rest, Data, Security), Akka, JPA, Hibernate, GWT
- JUnit, Mockito, JMock, Spock
- Oracle, Liquibase, Flyway
- ActiveMQ, RabbitMQ
- Git, Bitbucket
- Maven, Gradle, Jenkins
- IntelliJ IDEA, SoapUI, SQL Developer, DBeaver
- Rally, Swagger, Stash

Tasks performed:

- Design and implement REST API
- Development of tool to perform members migration from an external system into an existing loyalty system with applying to them benefits, tier-level changes, etc. according to business rules
- Functional tests implementation
- Demo preparation & demonstration

## **Godel technologies**

### **2016-Nov - 2017-Feb (3 months)**

- Position: Java Developer
- Customer: Extra Energy (British energy provider)
- Project: Development statistics collector from smart electric counters for European energy supply provider
- Team Size (devs): 3

Environment:

- Java 8
- Spring (Boot, Data, Cloud, Integration)
- JUnit, Mockito
- JPA, PostgreSQL, Liquibase
- Maven, Jenkins
- Git, Bitbucket, Docker
- IntelliJ IDEA
- Jira, Confluence

Tasks performed:

- CI setup
- Involved in architecture design activities
- Participated in R&D activities

## Epam Systems

### 2012-Apr - 2016-Nov (4 years 7 months)

- Position: (Junior -> Middle -> Senior) Software Engineer
- Customer: Intercontinental Hotels Group (Worldwide hotel network)
- Project: Development of a loyalty system for hotel network
- Team Size (devs): 40+

Environment:

- Java 6/7
- Apache CXF, Spring, Apache Camel, Quartz, GWT
- JUnit, JMock
- Oracle, JPA, Hibernate
- Maven, Jenkins
- Git, Bitbucket
- JMS, ActiveMQ
- SoapUI, NetBeans / Eclipse / IntelliJ IDEA
- Rally

Tasks performed:

- Designed & developed set of Quartz jobs
- Adapt existing/Developed new UI components for 2 UI Apps (using GWT)
- Add support of second (Chinese) language to the existing UI with translation ability
- Developed tool for batch tokenization of 180 million credit cards
- Mentoring & support of new team members

### 2011-Oct - 2012-Apr (6 months)

- Position: Junior Software Engineer
- Customer: -
- Project: Studying in Java laboratory
- Team Size (devs): 1

Environment:

- Java 6
- Spring, JPA, Hibernate, SQL, JavaScript, jQuery, JSF
- Oracle
- NetBeans, Tomcat

Tasks performed:

- Implemented 10 typical Java-laboratory tasks & bonus task - "Reversi" game