

# ANDRII LYSENKO

## Senior Software Engineer

### CONTACT

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### SKILLS

#### BACKEND

Java 8–21 Spring Boot Hibernate JPA  
Microservices REST WebSockets SOAP  
Kafka ActiveMQ Artemis Python

#### DATABASES

PostgreSQL MySQL Oracle SQL  
Elasticsearch H2

#### DEVOPS & CLOUD

Docker Linux GitLab CI/CD Jenkins AWS  
GCP Vercel

#### FRONTEND

HTML CSS JavaScript Next.js Playwright

#### AI & TOOLS

Claude Code Claude ChatGPT DeepSeek  
IntelliJ IDEA Gradle Postman

#### APIS & INTEGRATIONS

Binance API Google APIs Anthropic API  
DeepSeek API Stripe API

#### METHODOLOGIES

Agile Scrum Kanban TDD BDD DDD  
Software Architecture Pair Programming

### LANGUAGES

English B2 – Upper-Intermediate  
Ukrainian C2 – Native  
Russian C2 – Native

### EDUCATION

#### M.Sc. in Radio Engineering

Kharkiv National University of Radio Electronics,  
Ukraine  
2010

### SUMMARY

Senior Software Engineer with **10+ years** of experience in Java development across multiple domains, including FinTech, MedTech, GovTech, Game Development, and eCommerce.

Proven leadership as a **Tech Lead** on recent projects, driving architectural decisions, mentoring developers, and delivering scalable web applications using Agile methodologies.

Strong focus on **distributed systems**, and continuous learning to tackle complex technical challenges.

### WORK EXPERIENCE

#### Algorithmic Trading Framework

2021 – Present

Senior Software Engineer / Tech Lead / Product Owner Own Project · 1 member

Algorithmic trading system for automated cryptocurrency trading, including strategy execution, risk management, and performance analytics.

- Designed system architecture — modular, scalable, strategy-driven
- Integrated cryptocurrency exchange APIs (order execution, market data streaming)
- Developed custom trading strategies including averaging and signal-based logic
- Built backtesting engine with historical data analysis and performance reporting
- Implemented risk management: position sizing, leverage, liquidation control
- Analyzed trading data over 2000+ tests to identify stable pairs and strategy improvements

Java 8–21 Spring Boot JHipster PostgreSQL Binance API Google API AWS REST WebSocket  
Claude Code

#### Healthcare Platform (GDPR-Compliant)

2020 – 2025

Senior Software Engineer / Tech Lead EU Customer · 12–15 members

System for managing patient records, staff data, and administrative workflows. Included access control, document generation, reporting, printing and data exchange features.

- Sub-systems performance improved: x10 (printing), x100 (spellchecking)
- Legacy stack migration: Java 8→17, Hibernate 5→6, Spring 5→6 across 20+ repositories
- Architecture, code review, estimation, task distribution, alignment with PO / BA
- Jenkins pipeline support and documentation maintenance

Java 8–17 Spring Boot ActiveMQ Artemis Oracle / MySQL / PostgreSQL JBoss / Tomcat Scrum Confluence

#### Government Platform

2018 – 2020

Software Engineer / Team Lead Canadian Customer · 5–6 members

System for handling public services and administrative processes with high data volume and security requirements. Included backend services, integrations with state systems, admin panel, and user-facing functionality.

- Backend services for high-volume digital public services; citizen-facing user panel
- Integrations with external state systems; optimized data processing workflows
- Development metrics collected for customer based on SonarQube results
- Security-focused development (OWASP Top 10 compliance)

Java 8 JOOQ JavaScript Angular JS MS SQL / Oracle Apache SOLR ZK Framework WebDav

#### Medical B2B Payment Processing

2017 (3 months)

Software Engineer US Company · 5 members

System for payment processing, credit operations, and financial reporting. Migrated from Python to Java and redesigned using microservices to improve performance and scalability.

- Migrated payment processing from Python to Java using microservices architecture
- Refactored legacy code; wrote unit and integration tests

Java 8 Dropwizard Kafka Camunda PostgreSQL Ansible

## Space MMORPG

2017 (4 months)

Software Engineer German Customer · Up to 10 members

Online multiplayer game with persistent world, real-time interactions, and in-game economy. Included PvP/PvE, trading, and resource systems.

- Implemented game plot logic, P2P market, weapon and character systems (Star Trek licence)

Java 8 Hibernate MySQL Smartfox 2x JMeter

## Building Store – eCommerce (SAP Hybris)

2016 – 2017

Junior Software Engineer European Company · 7 members

B2C solution with payment integrations, reviews system, and custom checkout flow implemented with Spring Web Flow.

- Implemented new functionality in checkout flow
- Improved B2B and B2C promotions
- Project covered with unit and integration tests at 85%+

Java 8 Hybris 5.5 Spring MVC MySQL Cucumber TDD / BDD

## Documents Search Engine (SAP Hybris)

2015 (6 months)

Junior Software Engineer European Company · 5 members

Web application for advanced search across internal data and documents. Included configurable filters and search optimization using Apache Solr.

- Implemented new functionalities across the fulltext search engine
- Built configurable core filters and advanced filtering options (Apache Solr)

Java 8 Hybris 5 Apache Solr Spring MVC MySQL

## PERSONAL PROJECTS

### Algorithmic Trading Framework (in development)

Self-developed system for automated cryptocurrency trading — order execution, risk control, back-testing engine, and portfolio analytics across multiple exchange APIs.

Java Spring Boot JHipster PostgreSQL AWS

### Personal CV Web Page

Interactive portfolio with Next.js static export, TailwindCSS v4, and Puppeteer PDF generator. Deployed on Vercel with dark/light theming, scroll-driven animations, and full SEO optimisation.

Claude Code Next.js TailwindCSS Vercel

[andrii-lysenko.dev](https://andrii-lysenko.dev)

### CV Builder Web & Mobile Apps (in development)

Full-stack CV builder — Next.js web app and React Native mobile client with AI integration, Playwright e2e tests, and SEO-optimised output.

Claude Code Next.js React Native Anthropic API DeepSeek API Playwright