Dzmitry Shushkevich

Highly experienced Software Engineer with 4+ years of hands-on development, now focusing on Senior Java EE development and expanding my knowledge. Proficient in a wide array of programming languages, tools, and frameworks, including Java, Spring, Kotlin, React, TypeScript.

Proven track record in optimizing application performance, implementing CI/CD workflows, and resolving production issues. Committed to delivering high-quality, robust solutions and staying abreast of the latest technological advancements.

Extensive experience in developing educational systems, e-commerce, human resources management, and logistics, with a strong focus on seamless support and project success. Specifically, experience developing contract management systems for leasing.

Expertise in building and scaling agile teams, implementing robust CI/CD pipelines, and adopting modern architectural patterns (microservices, event-driven).

Skills

Foreign Languages	**English** (C1), French (A2), Belarussian (Native), Russian (Native)
Operating Systems	**Linux**, FreeBSD, Debian / **Ubuntu**, CentOS, Windows
Programming Languages	**Java**, **Python**, **Kotlin**, C/C++, TypeScript, ASM
AI, Machine Learning & Big Data	**ChatGPT, Gemini, Hadoop, MinIO,** Apache Kafka, Apache Spark, TensorFlow OCR, Scikit-learn, Pandas, Numpy (transformers, RNN, CNN, CTRNN)
Architecture	**Microservices, Service-Oriented Architecture (SOA)**
Cloud Technologies	**AWS** (EC2, Fargate, S3, ALB, ECR, DynamoDB, Lambda), GCP, Docker, Kubernetes (k8s)
Web Development & Frameworks	**Spring Framework**, Spring Boot, Spring Cloud (including Netflix OSS), **gRPC** (Protobuf), NodeJS, **GWT**, Swagger, Datadog, **Camunda** React, TypeScript
Databases	**NoSQL** (MongoDB, DynamoDB, OrientDB, Redis, ElasticSearch) **SQL** (PostgreSQL, ORACLE, MySQL, MSSQL, MariaDB) **ORM** (Spring Data, JPA, Hibernate, MyBatis, Liquibase, Flyway)
Messaging, queues, integration	**Spring Batch**, **Spring Cloud Data Flow (SCDF)**, **Rabbit MQ**, Apache ActiveMQ, MQTT, **Apache Kafka**
Data Visualisation (dashboard)	**Metabase**, Kibana, Grafana
CI / Build Automation & Management, DevOps	**AWS** (CodeBuild, CodeDeploy), Github (Actions), Gitlab (pipelines), CircleCI, Travis, Heroku, Jenkins, TeamCity, **Gradle**, **Maven**, ant, JFrog, Nexus
SCM	git (github, gitlab, bitbucket), SVN, TeamCity
Engineering Methodology & Project Management	Scrum, JIRA, Confluence, Asana, Trello, Gitlab, 1:1, Performance Review, relative estimation, remote team management

Experience

Senior Software Engineer (April 2024 - till now)
[MOEX](#), Minsk, Belarus

Project (Customer, Timeline)	Moscow Exchange. [Finuslugi](#).
Role	Senior Backend Developer
Achievements and Responsibilities	- Fully implemented the bond registration process on Camunda BPM: Workflow modeling (BPMN 2.0) with 50+ verification steps; Integration with 7 internal services (KYC, payments, registries). - Developed a two-phase commit mechanism for transactions between PostgreSQL and Kafka. - Resolving critical production issues: Fixed a race condition in the bond issuance module (JPA optimistic locking); Implemented feature flags for safe deployment to prod - Developed an SDK for internal APIs (reduced code duplication by 30%) - Translated legacy integrations to OpenAPI contracts (+Swagger Codegen)
Technologies	Java 17, Spring Cloud, Spring JPA, Quarkus, Camunda, PostgreSQL, Liquibase, Elasticsearch, Keycloak, Vault, REST, Swagger, Jackson, ArgoCD, Helm, Docker, Docker Compose, Kubernetes, Kafka, Prometheus, Kibana

Full-stack Team Lead (October 2022 – January 2024)
[GlobalOrange](#), Amsterdam, Netherlands

Project (Customer, Timeline)	[Bardo](#).
Role	Senior Full-stack developer leading a team
Achievements and Responsibilities	- Key responsibilities in maintaining and improving the application, investigating and fixing production issues, leading the development of numerous new features, multi-tenant system design - Lead the transition from an Angular environment to React. - Optimized huge SQL queries to improve the system's performance and efficiency, resulting in a remarkable 2-3 times improvement in performance
Technologies	Java, Spring, Hibernate, Maven, Birt engine, QueryDSL, AWS(S3, ECR, etc.), Mockito, Redis(jedis), MapStruct, Microservices, Quartz, Wiremock, Flyway, PostgreSQL, Docker, Docker Compose, CircleCI, Kubernetes, Git, JavaScript, TypeScript, React, Redux, Axios MUI, i18next, React Router, Draft.js, Dependencies Management, Thymeleaf

Co-founder & Back-end Developer (August 2021 – September 2022)
Stripe Recommendation Systems, Warsaw, Poland

Project (Customer, Timeline)	Recommendation System based on Stripe API (startup).
Role	Co-Founder, Full-stack developer with a focus on Backend development
Achievements and Responsibilities	- designing the RESTful API and database architecture, - Investigate Headless Server extension technology to build a robust and scalable serverless application using AWS Lambda - team recruiting, documentation creation and more
Technologies	Java, Spring, Symphony, Kotlin, AWS (ECR, Lambda etc.), PostgreSQL, OpenAPI, REST, UML, Docker, Docker compose, GitHub, Thymeleaf

Back-end Developer (June 2021 – October 2021)
Innowise, Minsk, Belarus

Project (Customer, Timeline)	Human Resources Management (HRM) System.
Role	Back-end developer
Achievements and Responsibilities	- Developing new services, using microservices architecture - Creating database triggers, Implementing DB migration scripts, building database indexes - Creating project documentation
Technologies	Java, Spring, Hibernate, Lombok, MapStruct, Maven, Jenkins, Liquibase, PostgreSQL, Swagger, Git, Github, Docker, Docker Compose, JUnit, Mockito

Project (Customer, Timeline)	Cargo Tracking System.
Role	Back-end developer
Achievements and Responsibilities	- Development of serverless microservices using AWS Lambda - Implementing business functions and interface functions using JavaScript - Creating Docker images - Database configuration
Technologies	Java, Hibernate, Spring (Boot, Data, Security, Cloud, Integration), AWS Lambda, MongoDB, Liquibase, Lombok, Swagger, JUnit, Mockito, RabbitMQ, Gradle, Docker, Kafka, Docker Compose, Git, JavaScript, Next.js, Axios, React, Redux, Tomcat

Education

Master's Degree, Computer Software Engineering
(September 2025 - April 2027)
Belarusian State University of Informatics and Radioelectronics FCSaN, Minsk, Belarus

Bachelor's Degree, Computer Software Engineering
(September 2021 - July 2025)
Belarusian State University FAMCS, Minsk, Belarus
Grade: 8.7

High school degree, Mathematics and Physics
(September 2010 - July 2021)
Gymnasium #1, Lida, Belarus
Grade: 9.9

Certifications & Courses

- 2021 - Developing applications using Java EE Platform (IBM) - 2021 - Java Back-end Engineer - EPAM Campus
- 2021 - Docker course - Rotoro.cloud - 2021 - Java&Sping Acquaintance - Coursera - 2022 - Object-oriented analysis using UML (IBM)
- 2023 - Getting Started with Google Kubernetes Engine (Google Cloud) - 2024 - Kotlin for Java Developers, JetBrains - 2023 - Algorithms: Design and Analysis, BSU