

AREAS OF EXPERTISE

- **Technical Architecture**
 - Distributed Systems Design
 - Service Architecture & API Design
 - Cloud Computing (AWS)
 - Performance Optimization
- **Engineering Leadership**
 - System Design & Architecture
 - Technical Strategy & Planning
 - Cross-team Collaboration
 - Mentorship & Technical Leadership

PROFESSIONAL EXPERIENCE

Senior Software Engineer AT **AMAZON MUSIC**, USA Dec 2018 - *present*
Led development of critical infrastructure and services for Amazon Music's browsing and discovery platforms

Lead Software Engineer AT **EPAM SYSTEMS**, USA Feb 2009 - Dec 2018
Led development teams and architected solutions for Fortune 500 clients across e-commerce, advertising, and travel industries

RESPONSIBILITIES

- As a **Sr. Software Engineer** at Amazon Music, I:
- Lead design and development of critical platform services and APIs that power Amazon Music's discovery and browsing experiences across all client platforms
 - Drive technical architecture decisions and author design proposals for cross-organizational initiatives
 - Build scalable solutions enabling seamless integration for both internal teams and external partners
 - Champion operational excellence through performance optimization, monitoring, and automated testing
 - Provide technical leadership in service design, AWS best practices, and distributed systems architecture
 - Partner with product, design, and engineering teams to deliver customer-facing features and platform capabilities

Accomplishments

Amazon Music (FTE)	Architected and implemented the 3P Service platform enabling third-party integration with Amazon Music, serving partners like Tesla and Discord while reducing integration time by 70%
	Introduced and applied a concept of client-side SDK packages for frictionless integration with Amazon Music APIs
	Led development of the Music Microservice Framework, a CloudFormation-based solution that reduced microservice productionization time from weeks to 1 day, including automated DNS, auth, metrics, and monitoring setup
	Designed and implemented the Browse Music API serving Amazon Music's most popular browse experiences across all client platforms, handling 100M+ daily requests with 99.99% availability
	Improved system performance through multiple initiatives: <ul style="list-style-type: none">- Reduced Lambda costs by 50% through JDK11 upgrade and optimization- Decreased API latency from 800ms to under 400ms P90 through architectural improvements- Implemented intelligent caching reducing backend calls by 60%
	Technical Leadership: <ul style="list-style-type: none">- Created technical proposals and frameworks adopted across teams for API versioning, testing strategies, and logging standards

	<ul style="list-style-type: none">- Led cross-functional projects coordinating between Experience, Platform and Partner teams- Mentored team members on distributed systems design and AWS best practices
Google (Contractor)	Architected and implemented an automated advertising data processing pipeline reducing processing time from 3 days to 1 hour, enabling real-time campaign optimization
Sephora (Contractor)	5x increase in system throughput through distributed caching implementation
	90% reduction in database load
	3x performance improvement through asynchronous processing framework
GNC (Contractor)	Introduced a data processing pipeline for post order handling. It helped to decrease order placement time from 9 to 2 seconds
Brico Depot (Contractor)	Optimized application's JVM settings across e-Commerce cluster, so amount of Full GC decreased from 1 per min to 1 per day. As a result, the application gained 30% in its throughput
Expedia (Contractor)	Implemented multithreaded Java clients for high load emulation, so it allowed to verify back-end services under 3,000 hits per second generated traffic

CERTIFICATIONS AND EDUCATION

- **Oracle Certified Professional:** Java SE 8 Programmer II 1Z0-809
- **Oracle Certified Associate:** Java SE 8 Programmer I 1Z0-808
- **Bachelor of Science and Master of Science Degree in Information Systems**
Belarusian State University Informatics and Radioelectronics, Minsk, Belarus