

## AREAS OF EXPERTISE

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- Distributed Systems Design
- Full-Stack Development
- Cloud Computing
- Performance Optimization

## PROFESSIONAL EXPERIENCE

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**Senior Software Engineer** AT **AMAZON MUSIC**, USA Dec 2018 - *present*  
Amazon Music is a digital content streaming platform and online music store operated by Amazon

**Lead Software Engineer** AT **EPAM SYSTEMS**, USA Feb 2009 - Dec 2018  
EPAM Systems is a global provider of software engineering and IT consulting services across various industries

## RESPONSIBILITIES

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As a Sr. Software Engineer at Amazon Music, I provide a powerful, yet easy-to-integrate and maintain services that drive new customer innovation and accelerate the development of new features, enhancements & capabilities

## Accomplishments

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Amazon Music	Introduced and applied a concept of client-side SDK packages for frictionless integration with AWS micro-services
	Designed and implemented AWS CloudFormation based framework for fully productionized micro-services
	Designed, implemented and successfully released a data aggregation API based on a custom in-house communication protocol
Google	Introduced a data processing pipeline for Advertising system, which completely replaced an existed manual workflow. Client waiting time decreased from 3 days to 1 hour
Sephora	Increased production system's throughput in 5 times by introducing distributed caching, which reduced amount of DB updates by 90%
	Improved data processing flow by introducing asynchronous framework, which increased performance in 3 times, and also made the system more scalable
GNC	Introduced a data processing pipeline for post order handling. It helped to decrease order placement time from 9 to 2 seconds
Brico Depot	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	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

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- **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