

## AREAS OF EXPERTISE

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- AWS
- In-Memory Datagrid
- e-Commerce
- Performance Optimization

## PROFESSIONAL EXPERIENCE

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### Software Engineer AT AMAZON MUSIC, USA

Dec 2018 - *present*

Amazon Music is a music 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 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	Conducted a detailed investigation of Amazon Music app latency contributors. Applied a series of fixes and improvements to get the client-service integration latency reduced in 2 times
	Designed and implemented AWS CloudFormation based framework for fully productionized NodeJS Lambda micro-services spinning-up in a one day
	Designed, implemented and successfully released data aggregation API based on a custom service-client 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