**Areas of Expertise**

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

**Professional Experience**

**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**

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**

|  |  |
| --- | --- |
| 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**

* **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