VIC CHARNARUTSKI

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AREAS OF EXPERTISE

- 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	Designed, implemented and successfully released data aggregation API based on a custom service-client communication protocol. Also, designed an AWS CloudFormation based framework for fully productionized NodeJS Lambda micro-services spinning-up in one day.
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 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