

Anton Shepotko

Staff Software Engineer

- 📍 Limassol, Cyprus
- ✈️ Ready to relocate
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</> SKILLS

- 🔗 Java
- 🔗 AWS
- 👥 Team Leadership
- 🗣️ Communication
- ✅ Problem-Solving
- 🔧 System Design
- 🌐 Distributed Systems
- 🔧 Microservices
- 🔗 Load Testing
- 🗄️ SQL
- 📄 NoSQL
- 🔗 CI/CD
- 🐳 Docker
- 🐳 Kubernetes
- 🐍 Python
- 🐍 PHP

🎓 EDUCATION

- 🎓 **Engineer's Degree in Information Systems & Technologies**
Baltic State Technical University
"VOENMEH" named after D.F. Ustinov
2009 - 2014
 - Grade: Excellent
 - Thesis: AI-based spacecraft antenna reflector identification
 - C++/Borland Delphi
 - Machine Learning

- 🎓 **Master's Degree in Computer Science and Computer Engineering**
Baltic State Technical University
"VOENMEH" named after D.F. Ustinov
2014 - 2016
 - Grade: Excellent
 - Thesis: Neural network identification of explosives based on the analysis of their spectra
 - Java
 - Artificial Intelligence

👤 PROFESSIONAL SUMMARY

Staff Software Engineer with 11+ years of expertise in backend development and cloud architecture, including 7 years of deep Java specialization. Proven track record of delivering high-impact projects at leading tech companies, with extensive experience in cloud development, dev tools (CLI, Monitoring), and CI/CD. Demonstrated success in technical leadership, managing a team of 5 engineers, and driving R&D initiatives. Recognized for technical excellence through internal speaking engagements and knowledge sharing sessions. Passionate about engineering excellence and delivering high-quality products that drive business impact.

📁 WORK EXPERIENCE

🏢 Staff Software Engineer

azul Azul Systems, Inc.

September 2020 - Present

- Technical Lead and key team member of **Azul Intelligence Cloud**
- **Lead a cross-functional team** of 5 engineers and have also led Virtual Teams on specific areas/projects, mentored intern/junior level engineers
- Architected and developed the **Forwarder** service - a stateless network service handling 10K+ concurrent JVM connections to Azul Intelligence Cloud, supporting scaling, monitoring, and high availability for seamless customer VM fleet management
- Developed and implemented **Monitoring as Code** on top of AWS CloudWatch Dashboards, which allows us to automatically update infrastructure monitoring by detecting changes in AWS CloudFormation resources, as well as automatically update Business Dashboards by checking for changes in business logic
- Enhanced **Azul Vulnerability Detection (AVD)** algorithms, resulting in 30% improvement in detection accuracy and reducing false positives due to ambiguities
- Designed and implemented **Component Inventory** and **JVM Inventory** features, enabling multi-dimensional analysis of customer fleets and component dependencies, processing 50K+ JVMs daily with real-time updates
- Co-developed **CQL (CRS Query Language)**, a SQL-like domain language for ElasticSearch, drastically reducing query complexity and increasing developer productivity
- Co-developed **Code Inventory** feature for Runtime Code Analysis, enabling customers to identify used and unused/dead code across their codebase, resulting in reduction in technical debt and improved code maintainability
- Actively contributed to building productive and efficient **CI/CD pipelines**
- Provided direct technical support to enterprise customers, debugging production issues and implementing quick fixes

🏢 Senior Java Developer

Yandex Money **YooMoney (formerly Yandex.Money)**

January 2018 - September 2020

- Led development of **Loyalty Program** project implementing cashback and bonus rewards, integrated with Yandex.Plus subscription system, resulting in 40% increase in user engagement
- Architected and implemented **Multicurrency Account System** supporting multiple payment methods and currencies
- Developed **Auto Payment System** for government fines and subscriptions, reducing manual payment processing and improving user experience
- Redesigned and enhanced the Yandex Wallet main page including payment history, favorites, subscriptions and auto payments, improving system performance

- Implemented integration with government and non-government services
- Established CI/CD pipelines using Gradle, Jenkins, and Ansible, reducing deployment time and improving code quality
- Enhanced credit system functionality and implemented special loyalty program for Yandex.Phone device

NOTABLE PROJECTS

Forwarder - stateless network service

Netty + Vanilla Java, Maven, Authorization & Security, Proxy, TLS 1.2/1.3, HTTP/1.1 & HTTP/2, Monitoring, Docker

- Built the scalable, high-performance network service to handle 10K+ concurrent JVM connections
- Implemented fault tolerance and automatic recovery mechanisms
- Developed secure "bridge" between private and public networks

Monitoring as Code

Java 17, Gradle, AWS CDK, AWS CloudWatch, AWS CloudFormation, CI/CD pipelines, Testing

- Automatically update infrastructure monitoring by detecting changes in AWS CloudFormation resources, as well as automatically update Business Dashboards by checking for changes in business logic
- AWS CloudWatch Dashboards do not require manual or configuration file maintenance
- Ability to test infrastructure and business metrics, as well as automatically generated dashboards
- Drastically reduced the complexity of maintaining monitoring and introduced synchronization with the codebase/infrastructure