# Oleksandr Reshetar

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#### OBJECTIVE SUMMARY

Software Engineer with 3 years of experience, proficient in various languages, including Java, JavaScript, Python, and C++. Possessing hands-on experience in developing robust and secure applications, with a proven ability to deliver reliable code, I am eager to address challenging problems in your company.

#### Experience

## Software Engineer

Sep. 2023 – Present

WSIB

Toronto, ON

- Migrated the Jenkins application to Kubernetes using the Jenkins Operator, achieving a 50% reduction in manual configuration time through Configuration as Code.
- Implemented shared-library mechanism using Java, adhering to clean code principles, reducing boilerplate code by 80%.
- Contributed to secure development by configuring the JFrog Artifactory server for resolving/publishing dependencies.
- Improved the scalability of remote cluster using Jenkins for automation and Terraform for provisioning resources, resulting in less manual configuration.
- Contributed to secure development using X-Ray utility, which allows prevention using vulnerable packages during the development phase.
- Led the configuration of the remote server, while ensuring compliance with security using AKS to deploy an analytics application, called SAS Viya, reducing operational cost by 86%.
- Developed independently full-stack software application using Java, Spring boot, React, and Microsoft SQL (+liquibase database management), resulting in automation of the company's deployment process.

#### Software Engineer

Aug 2021 – Apr 2023

Epam Systems

 $Kyiv,\ Ukraine$ 

- Contributed to adding a security layer in API calls using Java 8-11 to an e-commerce project generating \$16.3 million in annual revenue.
- Actively contributed to sprint planning and user story estimation using Jira/Confluence, breaking down work items and providing estimations to help establish realistic task timelines.
- Designed comprehensive unit tests, achieving 100% code coverage, significantly enhancing code reliability, and reducing production bugs.
- Collaborated actively on code reviews to achieve scalable and maintainable code, adhering to best coding principles.

### TECHNICAL SKILLS

Languages: Java, Python, C++, SQL (Postgres), JavaScript, HTML/CSS

Frameworks: Spring(Boot, JPA, web, cloud), React, Node.js, JUnit, Kafka, RabbitMQ, Grafana, Prometheus,

Thymeleaf, Netflix Eureka

Tools: Git, Docker, Kubernetes, Maven, Gradle, Swagger, Terraform, Jenkins

Libraries: Jackson(GSON), GUAVA, HTTPClient, JAXB, Log4j2, SLF4j, Lombok, JMS,

Others: Linux, SOLID, GOF, TDD, DDD

#### **EDUCATION**

#### University of Waterloo

Waterloo, ON

Master of Mechanical & Mechatronics Engineering. Minor in Computer Science

Sep. 2023 - Feb 2025

National University of Kyiv-Mohyla Academy

Kyiv, Ukraine

Bachelor in Applied Mathematics

Sep. 2019 - Jun 2023

Python Parser | Python, Symbolic Execution, Parsers(tatsu), Z3 SMT solver

Jul 2024 – Aug 2024

• Upgraded WHILE-language in Python by adding support of functions, required/ensure statement, resulting in mastering skills in coverage criteria, symbolic execution, constraint solving.

Microservices | Spring Boot, Java 11, JMS(RabbitMQ), Prometheus, Grafana, Netflix Eureka | Jun 2022 - Jul 2022

- Implemented Advanced Message Queuing Protocol (AMQP), using RabbitMQ, resulting in improved message communication and system reliability.
- Implemented a discovery service with Netflix Eureka, improving service registration, discovery, and fault-tolerance within the system.
- Improved system visibility and performance tracking by implementing a monitoring system using Grafana and Prometheus.

Merch Website | Spring Boot, Java 8, Maven, Gitlab, AWS(EC2, S3), Docker

Apr 2022 – May 2022

- Developed a back-end for the merch shop to support Ukraine using Spring boot, resulting in a \$2500 donation.
- Implemented API using Spring for managing items in the shop.
- Implemented a custom mapping mechanism to convert database objects into response objects and vice versa, ensuring safe mapping from model objects to entities.
- Deployed the application on an AWS EC2 instance and utilized AWS S3 for storing static data, such as images, enabling handling a large user base and enhancing skills in cloud-based development.

Course Scheduler | Spring boot(Cache, Scheduler, Security), Java 11, Maven, Thymeleaf

Oct 2021 - Dec 2021

- Contributed to developing a scheduling application using Spring Boot and Thymeleaf to manage students' schedules efficiently.
- Implemented Spring Cache mechanism for database queries, resulting in a decrease in the query time by 10x.
- Improved the application's documentation and API description by integrating The OpenAPI Specification.
- Implemented a security layer using Spring MVC Security to establish clear and effective access control mechanisms, ensuring distinct permissions and roles for different user groups.

Selection Committee | Spring Boot, Java 8, MySQL, Docker, Thymeleaf, Swagger

Jan 2021 – Feb 2021

- Developed an application for the Selection Committee using Spring Framework and Servlet API technologies.
- Integrated the Thymeleaf engine with the Spring MVC framework, reducing the initial load time.
- Implemented MySQL Server, using it to store the required data, resulting in efficient data management.