

# OLEKSANDR RESHETAR | Curriculum Vitae

✉ sasharesh12@gmail.com • Waterloo, ON, Canada • ☎ +1(226)-899-9606  
🐙 GitHub • 🔗 LinkedIn

## SUMMARY

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My experience spans building small apps and managing large systems, making me a perfect candidate for various-scale problems. My enthusiasm drives me further into the software fundamentals, which helps me gain the required knowledge to maintain the application from writing the code to deployment in production with full test coverage. I am enthusiastic about making a meaningful contribution as a software engineer and aim to provide innovative software solutions.

## EXPERIENCE

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### SOFTWARE ENGINEER STUDENT

09.10.2023-present  
WSIB

During my co-op program, I was responsible for both **full-stack software development** and **DevOps** tasks. My responsibilities were:

- Migrated **Jenkins** application to **kubernetes** using the **Jenkins Operator** with **Configuration as a Code** setting. This was done using preconfigured jobs, custom-signed certificates, and Artifactory repository configuration.
- Developed **full-stack** software application using **React** on the front, **Spring framework** and Microsoft SQL (+**liquibase** database management) on the backside to aim at automating the deployment process for different teams in the company. It drastically reduced the time between the development and deployment phases.

### JUNIOR/MIDDLE SOFTWARE ENGINEER AT EPAM SYSTEMS

08/2022 - 04/2023

As a software engineer, I worked with an **e-commerce application** that was built using the **ATG** framework. Although this technology is old, the knowledge of container technology facilitates my better understanding of how modern alternatives work, such as the Spring framework. A crucial part of my participation was to ensure **product deliverability** throughout the whole time. My tasks included:

- Developed new API calls by introducing a security layer, which allowed clients to work with an application more **secure**.
- Participated in **Sprint** planning and estimating user stories using **Jira/Confluence** tool, aiding in setting realistic task time frames.
- Designing **SQL** scripts for **OracleDB** to update the application schemas.
- Engaged in **Code Review** sessions to analyze and provide feedback on colleagues' code, enhancing code quality.
- Designed comprehensive **unit** tests that contributed to achieving **100% code** coverage and improving code reliability.

## EDUCATION

### UNIVERSITY OF WATERLOO, MASTERS DEGREE

09/2023 - 09/2024  
MME Department

- Completed the course on gaining proficiency in **software testing and quality assurance techniques**, including coverage criteria evaluation, **symbolic execution**, constraint solving with SMT solvers, inductive invariants, **deductive verification**, invariant synthesis, and Software Model Checking. These skills are required to evaluate and improve software quality across various testing scenarios and methodologies.
- Completed the course on identifying real-world examples of security and privacy failures in prevalent technologies and proposing adjustments to enhance user-centric considerations.

### NATIONAL UNIVERSITY OF KYIV-MOHYLA ACADEMY, BACHELOR DEGREE

09/2019 - 06/2023  
Applied math

- Completed a Front-end engineering course with Javascript being used on the front/server side to gain a profound understanding of full-stack development. The **final project** included a website on Pizza delivery with Google GPS service to estimate the delivery time from a given address.
- Completed Spring-boot **course** provided a deep understanding of Spring configuration, logging and custom modules.

### FREIE UNIVERSITY OF BERLIN, EXCHANGE PROGRAM

10/2022 - 03/2023  
Informatics

- Completed course on **Haskell**, gaining proficiency in functional programming concepts, such as **lambda functions**, which are widely used today in Java.

## EXTRACURRICULAR ACTIVITIES

### VOLUNTEER

4/2022 - 5/2022  
You4Ukraine

Developed a **Merch** shop for supporting Ukraine using **Spring Framework**. Although the time was restrictive, our team only collected **2500\$** in 1 month. My tasks involved:

- Implemented **API** for managing items in the shop, allowing front-end applications to communicate with the server.
- Utilized a **mapper** mechanism to convert DB objects into response objects (dto) and vice versa.
- Deployed the application on the **AWS EC2 instance** and used **AWS S3** to store static data, such as images.

## SKILLS

PROGRAMMING LANGUAGE	Java   Kotlin   Python   JS (Node.JS)
FRAMEWORKS & TOOLS	IntelliJ IDEA   Spring(boot, jpa, web)   Mockito
BUILD TOOLS	Maven   Gradle   Jenkins   Docker   Kubernetes
MESSAGE BROKERS	Kafka   RabbitMQ
AGILE TOOLS	Jira   Confluence
DATABASES	Oracle DB (Oracle SQL Developer)   MySQL   Mongo DB   PostgreSQL   Microsoft SQL
VCS	Git   Gitlab
API TOOLS	Postman   Swagger
LIBRARIES	Junit   React   Selenium
CLOUD PROVIDERS	AWS (EC2, S3 etc.)   Google Cloud
LANGUAGES	Ukrainian C2   English C1   German B2