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# Ivan Lapickij

## JUNIOR SOFTWARE DEVELOPER

Athlone, Westmeath, Ireland

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<https://lapickij.com/> - My Digital Portfolio!

<https://github.com/IvanLapickij>

<https://www.linkedin.com/in/ivanlapickij/>

### About me:

A passionate and detail-oriented junior software developer eager to create impactful software solutions. Skilled in full-stack development, data analysis, and problem-solving, with a proven ability to adapt and deliver quality results in collaborative and individual settings.

### TECHNICAL SKILLS:

**Experience in Languages:** Python, JavaScript, Java, SQL, PHP

**Experience with Tools:** Spring Boot, Docker, Postman, ElasticSearch, Eclipse

**Networking:** API's integration, RTMP, Drones.

**Concepts:** Algorithms, Agile Development, Machine Learning, Object detection, Object tracking, Custom Model training, REST API's, Microservices.

### EXPERIENCE

#### DPD Ireland, Athlone - *Software Developer Intern*

Jan 2024 - Sep 2024 (9 months)

- **Agile methodologies** - Participated during daily standup & wrote reports on the projects.
- **Continuous learning**: was learning how to use tools and insights of the industry with Elastic Search, Linux with VM, Github, and Software security course.
- **Testing** - Utilized learned software testing theory to create over 500 automated tests with 100% coverage within techniques used using Postman API for various endpoints.
- **Software Development** - migrated critical authentication code from Spring MVC to Spring Boot.
- **Debugging** - identifying and recording errors using a process tracking tool.
- **Databases**: Experience in using SQL and NoSQL databases.

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## EDUCATION

**Technological University of the Shannon, Athlone Campus** - *Honors Bachelor's of Software Design with Artificial Intelligence for Cloud Computing*  
Sep 2021 - Present

## PROJECTS

[ONLY ROBOTS](#) - This is a 4th-year college project developed in Java using Spring Boot, designed as part of the "Service Oriented Architecture" course. The aim is to demonstrate the **microservices** architecture and advanced **RESTful API** techniques learned throughout the program connecting two services endpoints in one application.

[ChocolateCherry](#) - Cherry Chocolate is a **dynamic web application** built with **PHP and AJAX** for seamless interactivity, leveraging POSTMAN for efficient API testing and MySQL as the backend database for data management.

[Data Mining and Machine Learning](#) - Year 4 Project: Analyzed "Abalone" and "Employees" datasets using **linear regression and decision trees to predict target variables** and assess prediction quality. Presented a workflow and documentation following the CRISP-DM process with visuals and references.

[Digital Portfolio](#) - Digital portfolio - is a **frontend website** created using Bootstrap and REACT that I designed and connected via DNS, hosting provider, and my repository.

[Rustic Roots Restaurant](#) - Rustic Roots Restaurant: A one-page React website built with TypeScript and Bootstrap, featuring front-end development, **DNS setup**, and GitHub integration for deployment.

[Youtube-Data-Archive](#) - A Python-based application that **archives and stores data by scraping information** from YouTube based on an inserted link. The application retrieves and archives song data through a user-friendly GUI interface.

[MoveSafe Analytics](#) - This is injuries-preventing statistics software that uses **object detection with Yolov 11** and then processes it displaying results.

[ParcelWay](#) - A **database management system** is essential for every business. To demonstrate my knowledge and skills in database management, I developed ParcelWay, a system designed for a parcel delivery company that is easy to use. In the following sections, I will introduce the workflow and implemented functionalities.