

👤 Bio

Highly motivated and eager to learn Software Engineer. Open-source enthusiast, DIY solutionist, guitar player, mountain biker, and a motorcyclist at heart.

⚙ Skills

LANGUAGES	Polish (native), English (fluent)
PROGRAMMING LANGUAGES	Apex, JavaScript, NodeJS, PHP, Java, C, C++, SQL(MySQL), Python, Scheme, Scala3, Go
TOOLS	Git, Unix, Docker, Kubernetes, MongoDB, Hashicorp Vault, REST API
OTHER	Working well in group or alone, good communication skills, Leadership skills

🎓 Education

2018	Bachelors in: Computer Science	University College Dublin
2023	Key modules: Algorithmic Problem Solving, C Programming, Java Programming, Software Engineering, Distributed Systems	
2017	QQI Level 5: Computer Systems and Networks	Dunboyne College
2018	All modules passed with a Distinction.	Certificate Grade: Distinction

★ Experience

07.2023	Salesforce (IAM Security Software Engineer)	Salesforce
PRESENT	Designed, developed, and enhanced various automations in the Salesforce internal solution for Identity Management developed on the Salesforce Platform using Apex , JavaScript , LWC , Aura and Rest API , which decreased manual operations tasks for our team, thus enhancing our productivity.	
03.2022	Internship at Salesforce (Security Software Engineer)	Salesforce
09.2022	Designed, Developed, and deployed automation of API secret rotation in Go for various service providers to increase the security, decrease manual work and eliminate human error. Led the team behind this project and done code reviews to eliminate future flaws and bad design practices.	
05.2021	Part-time Internship at OpenLitterMap (Software Engineer)	OpenLitterMap
01.2022	Translated the whole website to Polish, Fixed a lot of minor bugs, created Artisan scripts to migrate data from SQL to Redis and scripts to populate the database with dummy data for development purposes. OpenLitterMap is an open-source project developed with Laravel and ReactNative .	
05.2021	Part-time Internship at Measuresoft (Software Engineer)	Measuresoft
08.2021	Created software installers with the use of WIX that the end consumer can use to install Measuresoft's software, Implemented secure TLS connection between client and the server for the existing software using OpenSSL in C . Done research on how a C shared library can be executed through a web interface. Updated their projects to the newest version of Visual Studio after noticing that it wasn't possible to use newest version of openssl on them.	
08.2020	GirlScript Gaming Booster Mentor	
10.2020	Mentoring people around the world to code 2 basic games in Java (processing) and JavaScript , the games that I thought my mentees were Flappy Bird processing and Snake (JS).	

📁 Projects

03.2023	DIY Security Camera using ESP32CAM	SecurityBot
07.2024	Developed a security camera system using cheap electronic components such as ESP32CAM and PIR sensor to privately send notifications and recordings to Discord or Signal when motion is detected. The project is written in Python and a modified version of ESP32CAM streaming web server to send out sockets to the Discord/Signal Bot when the PIR sensor detects motion, thus triggering the bot to send a private message of motion being detected and capturing 35 seconds of the cameras live feed and sending it. The bot contains three commands, !start , !stop , and !last to send the last 5 seconds captured.	
01.2021	PacChasers game in Java	PacChases
02.2021	Fully Developed a 2D game with a working game server for online multiplayer using Socket.IO . The game is a 2 player game where one player plays the Pacman and the other the Ghost , the Goal for the Pacman is to either kill the ghost by eating a power ball, or collect all the food on the map. The Goal for the Ghost is to catch Pacman before it eats all the food, Ghost can also eat the power balls to gain temporary speed boost.	

🏆 Competitions

11.2019	88th place at NWERC 2019 in Eindhoven	Algorithms, C++, Python
10.2019	3rd place in ireland at UKIEPC 2019	Algorithms, C++

🚴 Hobbies

Guitar playing	Motorcycles	Board games	Reverse engineering	Music
Festivals	Traveling	Bouldering	MTB	