Kamil Michalski

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👤 Bio

I am a current 4th Year student of Computer Science in University College Dublin. Huge interest in computer hardware and programming with languages ranging from Scheme to Python. Fluent in English and Polish.

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

★ Experience

07.2023 PRESENT — **Salesforce (IAM Security Software Engineer)** — Salesforce

Designed, developed, and enhanced various automations in the Salesforce internal solution for Identity Management developed on the Salesforce Platfom using **Apex, JavaScript, LWC, Aura** and **Rest API**, which decreased manual operations tasks for our team, thus enhancing our productivity.

03.2022 09.2022 — **Internship at Salesforce (Security Software Engineer)** — Salesforce

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 01.2022 — **Part-time Internship at OpenLitterMap (Software Engineer)** — OpenLitterMap

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 08.2021 — **Part-time Internship at Measuresoft (Software Engineer)** — Measuresoft

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 10.2020 — **GirlScript Gaming Booster Mentor**

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 07.2024 — **DIY Security Camera using ESP32CAM** — SecurityBot

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 02.2021 — **PacChasers game in Java** — PacChases

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	