

# Yaroslav Kashulin

[Yaroslav.Kashulin@outlook.com](mailto:Yaroslav.Kashulin@outlook.com) | [yaroslavkashulin.com](http://yaroslavkashulin.com) | [GitHub](https://github.com) | [LinkedIn](https://www.linkedin.com/in/yaroslavkashulin/)

## Education

Trinity College Dublin - Integrated Master (M.C.S.) in Computer Science 2022 – 2027

## Skills

*Programming Languages:* Java, Python, Rust, Go, JavaScript/HTML/CSS

*Cloud & Databases:* AWS, Azure, SQL, PostgreSQL, MongoDB

*Other:* Prompt Engineering, Team Leadership, API integration, AWS sdk3, Git, GitHub, CI/CD Computer Networks (OSI 2, 3, 4, 6, 7) Basics, Docker

## Projects

### **Cloud Builder** – team project

- Tool to perform CRUD operations on AWS resources using JavaScript, replacing Terraform.
- Designed 4 of 6 main features and led a team of 2 developers to achieve it.
- Tech stack: AWS sdk-3 and Javascript

### **Time Is Money** – personal project

- A desktop GUI to simplify my personal expense tracking and financial reporting.
- Reduced the time required to fill in my financial reports by over 80%
- Tech stack: Rust, Slint GUI, Excel

### **Securiday** – team project

- Automated CI/CD security penetration testing and created a visualisation tool for threat prevention that helps several personas
- Led a team of 8 people and communicated with a client.
- Tech stack: Python, ZAP, Grafana

### **Handy Utils** – Obsidian Plugin – personal project

- Plugin that automates repetitive note-taking tasks. One of the features is generation of Table of Contents which saves over 95% of the time per task.
- Tech stack: TypeScript, Obsidian API

### **Authentication Server** – personal project

- High performance authentication server with JWT based authentication and password hashing
- Tech stack: Rust, JWT, Encryption

### **Roxy** – personal project

- Learning-focused HTTP/HTTPS proxy with request inspection, URL blacklisting.
- Implemented 2 level caching for response optimization.
- Tech stack: Rust, Multithreading, OSI 4 and 7

## Activities

### **Lab Demonstrator** September 2024 - Ongoing:

- Deliver tutorials for Computer Engineering module at TCD
- Assist students with C/C++ coursework

### **Educator** April 2024 - Ongoing

- Teach Robotics to senior secondary school students at Walton Club Trinity

Participated in various **hackathons** from University societies and organisations like Google