

THOMAS DANIEL GALLIGAN

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EXPERIENCE

- IBM** Jun. 2023 – present
Software Engineer
Cork, Ireland
 - Developing and maintaining a RESTful API for a business-to-business cybersecurity product; CP4S Cases, leveraging Java and Google Guice
 - Designed and implemented scalable and secure API endpoints, utilizing industry best practices and adhering to security guidelines
 - Optimizing database queries and procedures to enhance system performance, leveraging PostgreSQL features such as prepared statements and views
- IBM** Mar. 2022 – Sep. 2022
Software Engineer Intern
Cork, Ireland
 - Fixed frontend bugs
 - Fixed backend bugs causing SQL DB deadlocks
 - Migrated from a paid subscription for Ansible Tower to a free, open-source alternative, saving the team €5,000/year

PROJECTS

- Tny.ie** | *Go, Docker, VueJS, Typescript, PostgreSQL* Feb. 2021 – Jan. 2022
 - Developed a URL shortener application with a backend in Go, frontend in VueJS, and a browser extension.
 - Implemented an analytics dashboard to view traffic for each URL shortened.
 - Utilized Docker and PostgreSQL for easy deployment and management.
- Timber** | *Go, Docker, PostgreSQL, Typescript, React, Redis* Oct. 2021 – Nov. 2021
 - Collaborated on a team project during the third year of my university course.
 - Developed a web application for finding users with specific skills for a project using React, NextJS, and Go.
 - Implemented a session cache with Redis for improved performance.

VOLUNTEERING

- Chairperson** Jun. 2022 – May. 2023
UCC Networking, Gaming, and Technology Society
Cork, Ireland
 - Led and managed the society, overseeing the planning and execution of events, and ensuring the society's overall success and growth.
 - Presided over all committee meetings, maintained membership records, and acted as the official representative of the society.
- SysAdmin** Nov. 2019 – Jun. 2022
UCC Networking, Gaming, and Technology Society
Cork, Ireland
 - Maintained the society's server infrastructure, ensuring its reliability and security.
 - Developed and maintained relevant software to support the society's activities, and delivered technical talks to members on various topics such as programming languages, cloud services, and emerging technologies.

EDUCATION

- Bachelor of Science** Cork, Ireland
Second Class Honors in Computer Science University College Cork CK401
Sep. 2019 – May 2023

AWARDS

- UCC STARS Award** Mar. 2023
University College Cork Societies Executive
Cork, Ireland
 - Awarded best individual based on work done, leadership, and teamwork skills as Chairperson of the Networking, Technology, and Gaming Society by the UCC Societies Executive

PUBLICATIONS

- Bachelor of Science Academic Paper**
Evaluating Performance of HTTP/3 for Video Streaming: A Comparative Study with Previous Versions of HTTP

TECHNICAL SKILLS

- Languages:** Go/Golang, Javascript/Typescript, Java, Python, SQL (PostgreSQL/MySQL), HTML/CSS
- Technologies:** Docker, React, Flask, NextJS, VueJS, Express
- Developer Tools:** Git, GitHub, Ansible, Linux