ROBYN CLARK

DevOps Engineer

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Website
GitHub

WHO AM I?

I am a DevOps Engineer at VISR Dynamics and former Computer Science student at the University of Hull with a passion for Linux and System Administration. Tools/Languages I am proficient in include Git, Docker, C# and Bash. I enjoy working alongside others and am happy to help them with problems or concerns they may have. I like exploring various solutions to a problem to determine which would work better for the given situation.

EXPERIENCE AND VOLUNTEERING

2023 – Present **DevOps Engineer** **VISR Dynamics**
- Maintaining VISR in-house infrastructure
- Ensuring production services are up to date and running with minimal downtime

2022 – 2023 **Web Developer** **Hull Computer Science Society**
As Webmaster at HullCSS it was my responsibility to:
- Keep the website up to date with events and details
- manage the HullCSS GitHub organisation
- teach Git to society members
- advise on security and contribution policies for the society.

2022 – Present **Linux System Administrator** **Freeside**
As an admin at Freeside - the student run Linux user group at the University of Hull - I have had the opportunity to contribute to some of their projects like the Student Resource List as well as getting involved with system administration. Services managed include:
- Docker servers for managing containers for handling both internal and society services
- A FreeIPA server for identity management
- A web server for hosting Freeside's websites and exposing services to the university's network
- a storage server for members' home directories
- a handful of desktops in our lab

2022 – 2023 **Bar Staff** **Hull University Students Union**
Bar Staff at HUSU Wetherspoons

2021 – 2023 **Computer Science Course Representative** **Hull University Students' Union**
As a course rep for Computer Science, my role involved liaising with students and university staff about the quality of the course.

EDUCATION

2021 – 2023 **BSc Computer Science** **University of Hull**
First Year:
- Algorithms and Data Structures
- Programming Portfolio
- Computational Thinking
- Professional Development
- Architectures, Operating Systems and the Cloud
Second Year:
- Databases and Networks
- Design Develop Deploy
- Artificial Intelligence
- User Interfaces and Experience
- Advanced Programming

2019 – 2021 **A-Levels** **York College**
Studied Computer Science (C), Sociology (A) and Psychology (C)

2014 – 2019 **GCSE's** **York High School**
10 GCSEs including Computer Science

PROJECTS

I spend a lot of my free time coding and working on server admin, below is a list of some projects I have worked on / am working on.

2022 – Present	**VPS**	**Personal**

Managing a VPS which runs personal services. These include:
- Forgejo for Git backups, along with a side container for mirroring my GitHub to it
- My website built with the Zola static site generator
- Nginx - for proxying services to my domain
- Docker Swarm/Compose for managing services
- A handful of game servers

2021 – 2022	**Virtual machine server**	**Personal**

Maintaining a Proxmox Virtual Environment server. VMs include:
- unifi controller
- gitea
- TrueNAS
- OPNsense

2021 – Present	**Blog site**	**Personal**

Developing a personal blog to document what I get up to. Created using Zola and hosted on my VPS

2021 – Present	**Student Resource List**	**Freeside**

Contributing to Freeside's Student Resource List, a collection of computer science related resources created by staff and students at the university of hull

2020 – 2021	**Sorting and Searching algorithm visualiser**	**York College A-Level coursework**

A-level Computer Science project written in C# as a Windows Forms Application. Sorts included are Bubble sort, Insertion sort, Merge sort and Quick sort. Searches included are Linear search and Binary search