

Tibor Molnar

Systems Administrator & Researcher

📍 Waterford, Ireland · ✉️ tmolnair@gmail.com · ☎️ +353 87-6145869 ·

🚗 Full driving licence · 🔄 [csibman27](#) · 🔗 [tibor-molnar-564293106](#)



👤 PROFILE

I am a motivated, reliable, and dedicated individual with a strong passion for IT, computing, and electronics that dates back to my childhood. My expertise primarily lies in administering and utilizing Linux-based systems, although I also have experience in managing Windows systems and applications. In 2016, I obtained my bachelor's degree in IT from college, and since then, I have been actively engaged in continuous learning and skill development. Currently, I am employed in a role where I am responsible for the management and maintenance of a data center. Within this role, I oversee the hosting and maintenance of various services, as well as an OpenStack cloud platform. An exciting aspect of my work involves supporting the Irish Centre for High-End Computing, where I am part of a team responsible for the maintenance and upkeep of their supercomputer. This collaborative effort allows me to contribute to cutting-edge computing advancements in a dynamic and challenging environment. I take great pride in my ability to stay up to date with the latest industry trends and technologies, and I am always eager to expand my knowledge and skills. I am confident that my dedication and expertise make me a valuable asset in any IT-related role.

🧰 EXPERIENCES

South East Technological University - Walton Institute [Full-time, hybrid]

2020

Systems Administrator & Researcher

📍 Waterford, Ireland

- Project based work with weekly OKR meetings
- Responsible for configuring and managing Walton Institute and Arclabs companies' infrastructure, including all the hardware, software, and operating systems necessary to support the business.
- Internal IT support
- Automation with ansible and bash
- Research for innovative technologies
- Monitoring infrastructure and data center
- Data center lifecycle management
- Data center and HPC hardware maintenance

Aptus Broadband [Full-time, on-site]

2019 - 2020

IT Support

📍 Bagenalstown, Carlow, Ireland

- Fixed wireless technology
- IT Support using Ticketing System
- Logistics management
- Communicating and negotiating with users and other staff
- Network hardware devices management

Waterford Castle Hotel & Golf Resort, Waterford Ireland [Full-time]

2012 - 2018

Restaurant Manager

📍 Waterford, Ireland

- Customer Relation Management skill
- Team Management Skill
- Organization of professional events and meetings

Fabex Computer [Part-time]

2009 - 2011

Hardware Specialist

📍 Eger, Hungary

- Computer hardware service and maintenance
- Computer software installation and maintenance

Group 4 Security, Budapest Hungary [Full-time]

2004 - 2009

Account Records Clerk Payroll

📍 Budapest, Hungary

- Flexibility
- Accuracy
- High standard of work ethic

PROJECTS

More public projects can be found on github

2024

- Github: <https://github.com/csibman27>
- Gitlab: Only private

Work project - Monitoring for Thales Ip Encryptions

2023

- Python code
- MQTT
- InfluxDB
- Grafana monitoring

Work Project - Eddy Covariance tower

2021 - 2022

- Build an eddy covariance tower
- Build Network Communication with EC tower

Work Project - Mailman3

2021

- Build and Deploy mailman3 listserv

Personal Project - Network Topology with R

2021

- Model a particular network topology using R
- Improves decision making about what network routing protocols to use

Personal private project - Hotel Management system

2020

- booking system

Personal private project - RageDB

2019

- This program is used to read and transform CSV file format to an XSL file format
- The input is limited to eircode
- The program can be used to load all the eircode and pin locations in Google Earth for visual analysis

WIT College Project AWS

2018

- Elastic Compute Cloud EC2
- Load Balancer
- SQL Server in a private subnet
- Virtual Private Cloud
- Auto Scaling Group

WIT College Project - E-commerce website

2016

- e-commerce
- website

SKILLS

I prefer to showcase my skills in a rating format as I believe it provides a clear representation. Below, I have listed some of the high level skills I consider important and possess awareness of

Coding	💡💡💡💡💡	API	💡💡💡💡💡	Consultation	💡💡💡💡💡
Automatization	💡💡💡💡💡	Troubleshooting	💡💡💡💡💡	Git	💡💡💡💡💡
Virtualization	💡💡💡💡💡	Monitoring	💡💡💡💡💡	Emails	💡💡💡💡💡
Networking	💡💡💡💡💡	IT hardware	💡💡💡💡💡	Operating Systems	💡💡💡💡💡

EDUCATION

South East Technological University, Waterford, Ireland

2021 - 2023

Higher Diploma in Computer Science

 Bachelor

- The HDIP in Computer Science course has a strong focus on full stack development.

Waterford Institute of Technology, Waterford, Ireland

2016 - 2019

Bachelor of Science in Information Technology

 Bachelor

- This course is built on three core computing areas, Databases and Information Systems, Computer Networks, Cloud Computing and Programming.

CERTIFICATES

Safe Pass

Solas

2023/09/01

Safe Pass is a mandatory safety awareness training programme for construction workers.

Data Protection in the Republic of Ireland Workplace

Legal Island

2023/08/18

GDPR training course

NDG Linux Essentials

Protecting Data when Home Working in Ireland

Legal Island

2023/08/15

Cyber Security training course

Cyber Security in the Republic of Ireland Workplace

Legal Island

2023/08/09

Cyber Security training course

Learning Nagios

by Cisco Networking Academy 2023
IT skills & career building program, available
to learning institutions & individuals
worldwide - developed by Cisco CSR

Research Integrity - Engineering and Technology

by Oxford University Press 2020
Quality research and education resources

Windows Server 2012 Install, Configure, and Administer Active Directory

by LinkedIn 2020
Windows hierarchy system

by LinkedIn 2020
Learning how to use Nagios core monitoring

Deploying and Configuring Core TCP/IP Services

by LinkedIn 2020
Learning more about TCP/IP protocol

Windows Server 2012 Install and Configuration

by LinkedIn 2020
More about Windows Server deployment

LANGUAGES

Hungarian [Native] / English [Professional] / German [Basic]

INTERESTS

Swimming / Cooking

REFERENCES

References upon request.