Tibor Molnar

Systems Administrator & Researcher

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👤 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 Encrypors 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.

Protecting Data when Home Working in Ireland

Legal Island   2023/08/15

Cyber Security training course

Data Protection in the Republic of Ireland Workplace

Legal Island   2023/08/18

GDPR training course

Cyber Security in the Republic of Ireland Workplace

Legal Island   2023/08/09

Cyber Security training course

NDG Linux Essentials

Learning Nagios

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

by LinkedIn 2020
Learning how to use Nagios core monitoring

Research Integrity - Engineering and Technology
by Oxford University Press 2020
Quality research and education resources

Deploying and Configuring Core TCP/IP Services
by LinkedIn 2020
Learning more about TCP/IP protocol

Windows Server 2012 Install, Configure, and Administer Active Directory
by LinkedIn 2020
Windows hierarchy system

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.