Mihai-Cristian **Fufezan**

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Third year Computer Engineering student with a passion for developing great programs and managing systems. Enjoys finding the intersection between fast, correct and elegant code.

Education

Bachelor's degree in Electronics, Telecommunications and Information Technology *2021 - 2025*
TECHNICAL UNIVERSITY OF CLUJ-NAPOCA *Cluj-Napoca*

High school diploma in Mathematics & Informatics *2017 - 2021*
TITU MAIORESCU NATIONAL COLLEGE *Aiud*

Skills

Spoken languages	English, Romanian
Prog. languages	Bash, C/C++, Java, JavaScript, MATLAB, Nix, PHP, Python, Rust
Databases	Microsoft SQL, MySQL, Firestore, Postgres
Build tools	CMake, Maven, Meson, Nix
DevOps	NixOS, QEMU, Terraform
Social skills	Worked in multiple teams, participated in team-building activities. Working with people is a strong point.

Experience

Software developer *2024 - present*
ASEE *Remote*

- Worked with Azure and Tungsten Automation services
- Contributed to internal technical documentation
- Created and maintained PoCs for potential apps and services
- Obtained certifications for Tungsten Automation Capture and Transformation Modules

Contracting *2021, 2022*
NIXOS FOUNDATION *Remote*

- Took part in a team of participants to package NGI (Next Generation Internet) applications with Nix for the Summer of Nix program, as well as developing dream2nix and improving the overall Nix/NixOS documentation
- Improved documentation of several areas of the NixOS Wiki
- Created publicly-available flakes accessible on the NGI-Nix organization

Apprenticeship *2019 - 2020*
DIGITAL NATION *Remote*

- Participated as an apprentice in the Generaţia Tech program
- Learned PHP development using WordPress themes & plugins, under the guidance of skilled mentors
- Learned JavaScript back-end and front-end development, Firebase management and integration
- Was local ambassador for the Alba county regional group. Participated in team management, administration, logistics

Projects & Associations

dotfiles *2021 - Present*

- Managing my desktop machines running NixOS using Git and Flakes
- Every machine is accessible everywhere through Tailscale
- Useful configurations accumulated over the years

Infrastructure *2022 - Present*

- Server management provisioned through Terraform, running NixOS, connected over Tailscale
- **alpha**: Oracle ARM VPS running multiple services
- **home server**: Older machine running various services at home

nix-gaming *2021 - Present*

- Repo hosting an ever-growing collection of games and related software packaged for Nix

Contributions

- Maintainer of Hyprland and HyprWM
- Maintainer for Nixpkgs
- Contributor to Nix Community projects

Diplomas

2016	**1st place, County stage**, English Olympiad
2017-2019	**Mentions**, English Olympiad
2020	**2nd place, County stage**, English Olympiad
2017 - 2018, 2020	**Participation**, Informatics Olympiad
2022	**Participation & 3rd place @ Cognizant Softvision**, CodeRun
2023	**Participation**, STS Bootcamp

Certificates

2019	**Certificate of completion**, Digital Nation
2020	**PHP Knowledge Certificate**, Digital Nation
2023	**Python Course**, TUCN