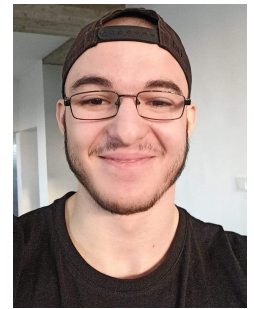


# FABIAN-MARIAN FULGA | RESUME



- » **Status:** BSc. Computer Science, Cloud Engineer, Teacher Assistant
- » **Fields:** Cloud, Software Development, Automation
- » **Tech:** Golang, Python, Bash, Kubernetes
- » **Loves:** Programming, GitHub, Sci-Fi series, Video-games and Martial Arts

## »»» Experience

- |  |                               |                                     |
|--|-------------------------------|-------------------------------------|
| 2023-present   | <b>Teacher Assistant</b>      | University Politehnica of Timisoara |
| <ul style="list-style-type: none"><li>» Taught <b>Programming and Databases</b> to 1st-year students in a laboratory setting.</li><li>» Taught <b>Cryptography</b> and <b>Computer Security</b> to 2nd-year students in a laboratory setting.</li></ul>  |                               |                                     |
| 2021 - present   | <b>Kubernetes Contributor</b> | Kubernetes Community                |
| <ul style="list-style-type: none"><li>» Wrote the guide for <b>Adding a Windows Node to a Kubernetes Cluster</b></li><li>» Added <b>e2e tests</b> for the <b>Node Log Query</b> feature</li><li>» Added <b>Windows support</b> for the <b>In-Place Pod Vertical Scalling</b> feature)</li><li>» Important contribution to moving support for <b>Windows Host-Process Calico CNI</b> from <b>SIG-Windows</b> to <b>Calico CNI</b></li></ul>   |                               |                                     |
| 2021 - present   | <b>Cloud Enginner</b>         | Cloudbase Solutions                 |
| <ul style="list-style-type: none"><li>» Assisted in deploying <b>MAAS</b> with <b>Openstack</b> and <b>Microk8s</b></li><li>» Worked mostly with <b>Kubernetes</b>, starting from deployments to configuring and managing clusters, but also <b>open-source development</b> to <b>Kubernetes</b></li><li>» Contributed open-source to <b>GARM (GitHub Action Runner Manager)</b> and its providers, which is an open-source GitHub Action Runner Manager, written in <b>Golang</b></li><li>» Contributed to different <b>Juju charms</b> such as <b>Trove Charm</b>, <b>Nova Cloud Controller</b>, <b>Magnum</b>, <b>Heat</b>.</li></ul> |                               |                                     |

## »»» Education

- |   |  |                                     |
|---|--|-------------------------------------|
| 2023-present  | <b>M.Sc. Machine Learning</b>          | University Politehnica of Timisoara |
| <ul style="list-style-type: none"><li>» Writing my Master's thesis on <b>Lung Cancer Detection using Artificial Intelligence and Fractal Dimension</b></li><li>» Working on an article to create a benchmark for <b>drug repurposing</b> algorithms.</li></ul>  |  |                                     |
| 2023-present  | <b>Bachelor's Project - HelpBreath</b> | University Politehnica of Timisoara |
| <ul style="list-style-type: none"><li>» Collaborated on the development of an application to assist clinics and doctors in managing lung cancer. Co-developed the software using <b>Python and the MERN stack</b>.</li><li>» Created a <b>Python application</b> to generate <b>3D visualizations of lung nodules</b> and <b>track their evolution over time</b>.</li></ul> |  |                                     |
| 2019-2023   | <b>Bachelor of Computer Science</b>    | University Politehnica of Timisoara |
| <ul style="list-style-type: none"><li>» Specialized in software development, data structures, algorithms, and artificial intelligence.</li><li>» Developed various applications, enhancing skills in Java, web development, Python, C, and x86 Assembly. Examples of my work can be found on my personal GitHub.</li></ul>  |  |                                     |