# MOHAMAD FAJAR MAHARDIKA

Surabaya, Indonesia | P: 6281232522330 | mf.mahardika@gmail.com |
https://www.linkedin.com/in/massffajar/ | https://github.com/fajarmhr/

## PROFILE

Fresh graduate from Telkom University majoring in Telecommunication Engineering. I am self-motivated, reliable, curious and fast learner person. Currently aim to gain more knowledge and experience in Cloud Computing and Mobile Core Network. I am able to work independent and/or in team, I also have developed good planning and organizational skills by participated in several positive activities.

## FORMAL EDUCATION

**TELKOM UNIVERSITY**                                                          *Sep 2017 – Feb 2023*
Bachelor of Telecommunication Engineering, Cumulative GPA: 3.32/4.0

## INFORMAL EDUCATION

**BANGKIT ACADEMY**                                                          *Feb 2021 – Jul 2021*
Studying about Google Cloud Computing

**HUAWEI CLOUD TRAINING**                                                          *Aug 2020 – Dec 2020*
Preparation to take part in Huawei Cloud Certification and also preparation to take part in Huawei ICT Competitions

## WORK EXPERIENCE

**Basic and Applied Research**
*Mobile Core Analyst*                                                          *Mar 2023*
- Project with lecturers to follow up on my thesis about implementing an open-source 5G network, so it can be published in Sinta 2 journals.
- Analyze log from each 5G Core NF (AMF, SMF, UPF, etc.) by the process of subscriber's registration, so we can know how the 5G Core works in the registration process.

**Bangkit Capstone Project**
*Cloud Engineer*                                                          *May 2021 – Jul 2021*
- Build FastAPI deployments
- Create VMs, networks and firewalls
- Manage services for cloud resources

**Internship at Malang City Communication and Information Service**
*Backend Developer*                                                          *Jun 2020 – Aug 2020*
- Build "Presensi Online" application using CodeIgniter
- Create and manage databases using mySQL

## ORGANIZATIONAL EXPERIENCE

**UKM Djawa Telkom University**
*Coordinator of External Division*                                                          *Apr 2019 – Apr 2020*
- Responsible for relationships outside the organization
- Responsible for relationships with organizations on other campuses
- Responsible for holding meetings with representatives of members from each community
- As a mediator between organization and communities

**JOMBANG STUDENT COMMUNITY (KOPAJA TELYU)**

*Coordinator of the Kopaja Roadshow PR Division*                    *Dec 2018 – Jan 2019*
- Responsible for organizing members to contact all of the schools that will be entered for campus socialization
- Responsible for organizing members to contact all of the speakers and the guest star
- As a mediator for reporting progress and agenda from the chief to the members
- Ensure the job desk for the division will run properly
- Experienced to planning and running the main event with the whole committee

*Member of External Division*                                      *Mar 2018 – Mar 2020*
- Maintain good relations with other communities
- As a mediator between campus and community

## SKILLS

- Able to operate Microsoft Office (Word, Excel, PowerPoint) and/or Google Workspace (Docs, Sheets, Slides, Forms, Drive)
- Have experience using Linux
- Have experience with Virtualization/Containerization/Orchestration (VM/Docker/Kubernetes)
- Have experience with Cloud Computing (GCP/AWS/Huawei Cloud)
- Have experience using some programming language (Python, C, Bash script)
- Have experience with Routing and Switching
- Have experience to configure an open-source 4G and 5G network

## CERTIFICATIONS / LICENSES

**HCIA Cloud Computing**                                            *Sep 2020 – Sep 2023*
Certificate No. 010100802808805089633746

**HCIA Routing & Switching**                                        *Oct 2020 – Oct 2023*
Certificate No. 010100101397808805481667025

**HCIA Security**                                                   *Dec 2020 – Dec 2023*
Certificate No. 010100301397808806289767568

## AWARDS

**National Level Huawei ICT Cloud Competition 2nd Winner**                    *Dec 2020*
National Cloud Computing 2020 ICT Competition held by Huawei

**Campus Level Huawei ICT Cloud Selection 3rd Winner**                        *Dec 2020*
Campus Level Cloud Computing 2020 ICT Competition Selection held by Huawei

## ADDITIONAL

**Other**: Just finished my thesis with title "5G Implementing and Performance Testing using USRP and SRSRAN Software"
**Technical**: Open5GS as core network, and SRSRAN + USRP as eNodeB
**Languages:** Indonesian, English