

Mohamad Shaaban

As a DevOps and IoT Engineer, I specialize in the full lifecycle of IoT wearable tech from designing ultra-miniaturized sensors to deploying real-time, scalable applications. My strong hardware background, paired with expertise in AI integration, enables me to create innovative, seamless IoT solutions. I also excel in pipelines, server mocking, and automated testing with tools like JMeter, shell scripts, and POSTMAN, ensuring reliable and scalable performance.

WORK EXPERIENCE

01/06/2022 – 31/12/2023 Italy

Tools Developer GAMEOLIC DEVELOPMENT STUDIO

- Develop .Net tools for Massive Multiplayer Games
- Create automated testing JMeter scripts for game's online services (Social service, Player Balancing...)
- Deploy and maintain Trimurti Online Game title on AWS

01/08/2020 – 31/03/2022 Beirut, Lebanon

Cloud Systems Engineer - AWS Mobile Arts ME

- Designing horizontally scalable cloud systems
- Create automated tests and servers mocking scripts(Postman/shell)
- Developing distributed systems

01/06/2018 – 02/2019 Beirut, Lebanon

Embedded Engineer Maxwell Innovation Lab LLC

- Develop interactive UI for embedded systems(LVGL/QT)
- Closed loop controllers
- Low level libraries for different hardware (SPI/CAN/I2C...)

EDUCATION AND TRAINING

01/01/2022 – 31/12/2024 Genova, Italy

PhD in Robotics and Autonomous systems University of Genova

Website <https://dibris.unige.it/> | Level in EQF EQF level 8

01/03/2016 – 31/12/2020 Beirut, Lebanon

Masters of Science in Electronics Engineering Lebanese international university

Website <https://liu.edu.lb/NewLIU2022/academic/engineering.php> | Level in EQF EQF level 7

PROJECTS

01/03/2020 – CURRENT

Distributed Servers System

- Develop a widely adopted and accredited horizontally scalable cloud service for online games (.NET6).
- Develop .NET6 real-time social, Match maker and player balancing game service

Link <https://sha3sha3.github.io/Portfolio/DSS.html>

01/01/2022 – CURRENT

Digital Twins for HRC

- Design a novel native cloud architecture for Digital Twins.
- Design, fabricate and write the firmware for the smallest ever IOT connected IMU sensor board used in robotics research (13x17mm integrates with the architecture)

Link <https://sha3sha3.github.io/Portfolio/Sensor.html>

01/06/2018 – 31/01/2019

Cluco-z Non-Invasive Glucose Measurement Wearable

- Closed loop controller for real-time glucose tracking.
- UI Development using LVGL/QT.
- Low level libraries for screen/PLL/Fuel gauge/Flash (SPI/QSPI/I2C).

Link <https://sha3sha3.github.io/Portfolio/Glucoz.html>