



RESUME

Safwen Ladhari

Software engineer open to MedTech opportunities — building digital health products, medical software, and tools that improve patient care.



Senior Software Engineer, SDET — Unity Cloud

Unity Technologies · Paris · May 2022 — Present

- Build and ship software for Unity Cloud: services, tooling, and release pipelines that keep cloud products reliable in production.
- Design and implement automation (Python, JavaScript) and CI workflows so teams get fast feedback and ship with confidence.
- Improve developer productivity with GitLab CI, Ansible, Terraform, and Docker — reproducible environments and smoother delivery.

Python, JavaScript, REST, Docker, MongoDB, Redis, Elasticsearch, GitLab CI, Ansible, Terraform, PyTest, Selenium, Cypress



Engineering Productivity Engineer

Hornetsecurity (formerly Vade) · Lille · Dec 2020 — May 2022

- Designed engineering solutions that shortened development cycles and improved product experience.
- Analyzed engineering workflows, found bottlenecks, and shipped practical improvements across teams.
- Partnered with cross-functional teams to reduce delivery friction and strengthen shared tooling and infrastructure.

Python, JavaScript, REST, Docker, MongoDB, Redis, Elasticsearch, GitLab CI, Ansible, Terraform, PyTest, Selenium, Cypress



R&D Software Engineer

Constructions-3D · Valenciennes · Aug 2018 — Oct 2020

- Delivered software for 3D construction modeling and large-format concrete 3D printing.
- Built 3D slicer software (algorithms, backend, GUI) for reliable, efficient printing workflows.
- Worked with mechanical and process teams to integrate hardware constraints and validate results in the field.

C/C++, Qt, robotics, additive manufacturing, applied mathematics, industrial MVC



Intern — R&D Software Engineer

Constructions-3D · France · Mar — Aug 2018

- Contributed to 3D slicer and modeling tools; testing and hardening for production use.



Intern — R&D Software Engineer

ENVAST · Tunisia · Jun — Aug 2017

- Interactive display with Unity3D, OpenCV, Raspberry Pi, Python (Flask, Tornado): calibration, background removal, contour streaming.

Python, OpenCV, Linux, WebSockets, Unity3D, embedded



Intern — R&D Software Engineer

XPert-MECA · Aug 2016

- KUKA KR16 monitoring and control in Java and KRL: status, motion, I/O, joystick or GUI, saved positions, KRL export.

KUKA, Java, Swing, KRL, industrial robotics



Intern — Odoo 9.0 Python Developer

Whitecape Technologies · Jul — Aug 2016

- Extended Odoo to deliver web push notifications to subscribed users.

Odoo, Python, HTML5, OOP



Intern — VB.NET Developer

XPert-MECA · Sousse · Aug 2015

- SolidWorks automation macros in VB.NET to batch-export multiple file formats.



Intern — STM32 Developer

XPert-MECA · Jul 2015

- Ribbon length measurement with rotary encoder, keypad input, 16×2 LCD display.

STM32F4, embedded C, LCD, encoders

CONTACT

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GitHub

LinkedIn

What I build on the side →

SKILLS

Software engineering

Python

Backend

Frontend

Cloud & DevOps

CI/CD

C/C++ & systems

Quality engineering

EDUCATION

- **Engineer's degree** — Industrial CS & automation, ISSAT Sousse, 2018

- **Bachelor's** — Computer games & programming, Utrecht University, 2017

- **Preparatory** — Math, physics, CS — ISSAT Sousse, 2014

CERTIFICATIONS

- Microsoft Certified: Azure Fundamentals
- PCEP — Certified Entry-Level Python Programmer (PCEP-30-01)

AWARDS

- ACM TCPC 2015 — ranked 15 / 120
- Hacking Diabetes (Novo Nordisk Hackathon) 2017 — winner

LANGUAGES

- Arabic, French, English — fluent
- German — elementary