# ABDALLAH MEDDAH

### Clean code always looks like it was written by someone who cares.

@ meddah.abdellah.spcx@gmail.com

**\** +33769238622

France, Paris

in linkedin.com/in/MeddahAbdallah

github.com/MeddahAbdellah

stackoverflow.com/users/8208547/meddah-abdallah

https://meddahabdallah.pro



## WORK EXPERIENCE

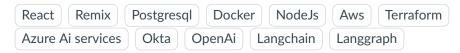
### Fullstack developper

### **Engie Digital**

April 2024 - Present

♥ France, Paris

- Created the infrastructure for an Agentic application that uses langchain along with postgresql(pgvector).
- Integrated the Identity Provider Okta and created a terraform module, a Kubernetes CRD, python middleware, nodejs middleware to ensure having a common authentication flow throughout the whole company.
- Developed an OpenAI assistant frontend branded by Engie's design système, to be used by several teams for their specific needs.



# Lead Software Engineer

#### Citron

## April 2023 - April 2024

♥ France, Paris

- Improved overall app state management.
- Added CI/CD pipe to the project to test, build, and lint each PR of the project.
- Coached the team on typescript to improve the typing of the codebase.
- Coached the team on declarative code and reactive code in Angular.
- Upgraded Angular to version 16 and then to 17 and coached the team on functional programming.
- Improved the tech team's Jira workflows and helped provide tools for the QA through Jira integrations.
- Added a stack deployment functionality in the CI/CD pipeline for any PR to enable manual testing before the merge.
- Put in place a Design-system and a storybook in collaboration with the UX/UI team.
- Organised training sessions and boot camps to upgrade developers' level on different technologies such as NGRX, RXJS...
- Lead many feature projects to fruition.



### Full Stack Developer

### **Padoa**

March 2020 - April 2023

♥ France, Paris

- Developed an online waiting room for patients along with a video consultation room with connected medical devices controlled remotely by doctors.
- Lead user stories from creation to completion by dividing them into small, well-analyzed, and described tasks.
- Connected medical devices to the application through a C# extension that retrieves data and communicates it with the web app through Websockets.
- Improved overall frontend testing.
- Participated in the improvement of the design system.

# **SKILLS**

#### **Frontend**

 Angular, React, Cordova, Phonegap, Ionic, React-Native, jQuery, tailwind, Scss, Figma, NextJs. Astro.

#### **Backend**

 Nodejs, Express, NestJS, NextJS, Rust, Python, C/C++.

#### Llms

Openai, Claude, Langchain, Llamalndex, Langgraph.

#### Database/ORM

 Sequelize, Postgresql, Mysql, Prisma, Elasticsearch, Redis, MongoDB, Mongoose.

### CI/CD

• Github actions, Jenkins, ArgoCD.

### **Testing**

• Cypress, Jest, Selenium, Protractor, Mocha.

### API

Restful, gRPC, tRPC, SOAP, MQTT...

# Monitoring

• Sentry, Rollbar, Grafana, Prometheus, Kibana.

### Infrastructure

• Docker, Kubernetes, Terraform, AWS, Azure, Vercel, Ovh.

#### Hardware

 ESP (ESP-IDF), Xtensy-based mcu, ARM-based mcu (STM32x, Cortex), VHDL, Power electronics.

# **MOST INSPIRED BY**



### Clean code (by uncle Bob)

When one starts developing, the main goal is to be able to make a computer do what one imagines. With time we learn this is only half the work, the rest is writing clean code.





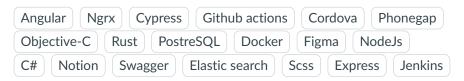
### **Refactoring Guru**

I'm a strong believer in the fact that no review of a code should use arguments of authority, refactoring guru helps me with illustrating and well explaining my ideas

Design patterns

Code smells

- Developed Cordova plugins to enable IOS support for the web application.
- Managed updates and monitored an iPad fleet through AirWatch.
- Integrated government APIs (INSEE).
- Developed Medical test application for vision and sound along with javascript face detection algorithms to enhance test precision.
- Developed Chrome extensions that enable access only to authorized company devices to the app without login.
- Managed a fleet of Chromebooks with Google MDM.
- Developed a PWA to replace a legacy IOS app.



# Embedded IoT Devices Engineer (Freelance) Ursum (Signed a Non Disc

(Signed a Non Disclosure Agreement)

## Aug 2018 - Feb 2020

Sestonia, Tallinn

- Developed an Android/IOS application to tune and control over MQTT an ESP32-based Data Logger and actuator.
- Developed an ESP-32-based Data logger.
- Developed an STM32F7 actuator that controllers lighting intensity, frequency, and direction.
- Developed a server app to collect and store the data.
- Deployed and managed the app on AWS and on premise.



# **EDUCATION**

Masters degree Networking and Telecommunications

**Electronics Engineering** 

# REFREES

## Camille Alemany

Fullstack Developer

in linkedin.com/in/camille-alemany-77ba57aa

### Charles-Antoine de Salaberry

Lead Fullstack Developer

in linkedin.com/in/cadesalaberry

### **Paul Deslandres**

QA Engineer

in linkedin.com/in/paul-deslandres-7401a4122

### Sami SHEIKH

UX/UI Designer

in linkedin.com/in/sheikh90sami



A skeptic's guide to functional programming (James Sinclair)

I fell in love with functional programming and purity and safety!

Paradigms | Functional programming



Refactoring (James Sinclair)

Never have I ever worked in a company that didn't have legacy code. I think most of us would win at that game, but how win refactoring game, an important question often disregarded

Paradigms | Functional programming

# **LANGUAGES**

English	TOEIC (975)
French	C2
Arabic	Native

# OTHER INTERESTS

Basketball Philosop	hy Astronomy
Quantum Mechanics	Classical Music
Artificial Intelligence	Robotics
jiu jitsu Sky Diving	Boxing