

ABDALLAH MEDDAH



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

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WORK EXPERIENCE

Fullstack developer

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.

React Remix Postgresql Docker NodeJs Aws Terraform
Azure Ai services Okta OpenAi Langchain Langgraph

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.

Angular React Ngrx Cypress Github actions Mango
Docker NodeJs NestJs Jira Swagger Aws Terraform
Figma Airflow Express Kubernetes ArgoCD Grafana

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, Phoneygap, Ionic, React-Native, jQuery, tailwind, Scss, Figma, NextJs, Astro.

Backend

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

Llms

- Openai, Claude, Langchain, LlamaIndex, Langgraph.

Database/ORM

- Sequelize, Postgresql, Mysql, Prisma, Elastic-search, 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.

Quality code Timeline management
Work Ethic Decision Making



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.

Angular Ngrx Cypress Github actions Cordova Phonegap
 Objective-C Rust PostgreSQL Docker Figma NodeJs
 C# Notion Swagger Elastic search Scss Express Jenkins

Embedded IoT Devices Engineer (Freelance)

Ursum (Signed a Non Disclosure Agreement)

📅 Aug 2018 – Feb 2020 📍 Estonia, 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.

ESP32 Multi-threading C/C++ NodeJs AWS Phonegap

EDUCATION

Masters degree Networking and Telecommunications

Paris-Saclay University 🎓 Rank: 1/33

📅 Sept 2019 – Sept 2020 📍 France, Orsay

Electronics Engineering

Ecole National Polytechnique Alger 🎓 Score: 13.53/20

📅 Sept 2017 – Aug 2019 📍 Algeria, Algiers

REFREES

Camille Alemany

📁 Fullstack Developer

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Charles-Antoine de Salaberry

📁 Lead Fullstack Developer

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Paul Deslandres

📁 QA Engineer

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Sami SHEIKH

📁 UX/UI Designer

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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 Philosophy Astronomy
 Quantum Mechanics Classical Music
 Artificial Intelligence Robotics
 jiu jitsu Sky Diving Boxing