Abderahmane Karki

Web | Mobile Full Stack Developer

34 years old, driving license, married, 3 children

49 Rue du Lézard Vert
16000 Angoulême

+33 6 16 71 00 04

abdel.karki@gmail.com

⚙ WORK EXPERIENCE

FREE-LANCE FULL STACK DEVELOPER   *2018 - TODAY*

Web Applications :

- pass Culture - French Ministry of Culture: Full Stack Developer (November 2021 - March 2024)
  - *Main tasks:*
    - Developing, incrementing and maintaining a back-office for internal passCulture users. In particular, the support, validation, anti-fraud and territory teams.
    - Developing new functionalities and reinforcing existing ones for the backend common to all applications (pros, young people and partners).
    - Developing functionalities in communication with external APIs (CRM Zendesk Sell).
    - Continuous integration and deployment in cooperation with the devops teams.
    - Use of deployment pipelines (Circle CI then Github Actions).
  - *Periodically*:
    - Sorting of Sentry errors in the various environments (staging and production).
    - Supervising and triggering deployment of versions according to environments.
    - Ensuring that the CI/CD process runs smoothly during deployments, and intervening on any errors reported.
  - *Secondary tasks :*
    - Advising and assisting on the establishment of development strategies for new functionalities.
    - Expertise in custom development issues related to functional requirements.
    - Coordination with end-users prior to development.
    - Post-release end-user training

- Languages & technologies:
    - Languages: HTML, CSS, Python, PostgreSQL, graphQL
    - Frameworks: Flask, React JS, Hotwire, sqlAlchemy
    - Technologies: CI/CD, pytest, mypy, bash scripts, redis,
- **Tools used:** CircleCI, Github, Github Actions, Figma, Docker, Kubernetes, Firebase, Notion, Slack, Sentry, Kubernetes, Algolia
- **Number of project team members:** 5 to 10

- Children Worldwide Fashion : Full Stack Web Developer (December 2020 - July 2021)
    - *Main tasks :*
        - Maintenance and development of new functionality in the supply chain + Intranet application.
        - Advising and supporting pre-development technical choices.
        - Agile methodology to adapt development strategy and prioritize new functionalities.
    - *Secondary mission :*
        - Configuration and maintenance of a CI/CD pipeline on Azure DevOps.
    - **Languages & technologies:** HTML, CSS, PHP 7/5, SQL Server, React JS, Symfony 4/5, Azure DevOps, Docker
    - **Number of project team members:** 4

- AtoS: Full Stack Web Developer (February - July 2020)
    - *Main tasks :*
        - Development of functionalities for a French Ministry of Education application.
        - Technology monitoring and consulting in conjunction with management to establish development strategy.
    - *Secondary mission :*
        - Support for continuous code improvement
        - Refactoring and cleaning up obsolete and/or non-optimized code.
    - **Languages & technologies:** HTML, CSS, PHP 5.4, MySQL, JavaScript + jQuery, SVN, HPALM
    - **Number of project team members:** 3

- Total Group : My Services - Full-Stack Web Developer (Dec 2019 - Jan 2020)
  - *Main tasks :*
    - Development of a single-page internal management application (SPA)
    - Implementing a complex Excel file import backend for data pre-processing
    - Front-end interfacing for display with SSO authentication
    - Deployment on Azure DevOps CI/CD
  - **Languages & Technologies :** Python, Django, Angular 8, TypeScript, GitLab, Azure Dev Ops, HTML/CSS, Angular Material, OAuth2, REST Api
  - **Number of project team members:** 5

- Dequalog Solutions: Fleet4C - Full Stack Developer (April 2019 - June 2019)
  - **Goal:** to develop an application for managing vehicle fleets and tire inventories while tracking tire wear as well as the history of assignments on vehicles. The aim is to track the cost per kilometer of tire references.
  - *Main tasks :*
    - Development "from scratch" of a vehicle and tire stock management application with wear anticipation.
    - Design of the data model in line with functional constraints
    - Design of the application architecture in conjunction with a connected object
    - Implementation of interactive vehicle models (trucks, scooters, cars) for dynamic assignment of tire part numbers.
    - Implementation of a dashboard to collect tire wear data to calculate the cost per kilometer of a reference
  - **Languages & Technologies :** Python, Django, PostgreSQL, GitLab, JavaScript, Vue.js, MongoDB, REST Api, Bootstrap 4
  - **Number of project team members:** 2

- OAAS.fr: Full-Stack Web Developer(Jan 2019 - Mar 2019)
  - **Goal:** to develop a website with a customized content management system. The administration interface had to include a project management module.
  - *Mission*:
    - Creation of the website and custom CMS.
    - Development of the project management module (ticketing).
    - Integration of a rights matrix for different types of users.
  - **Languages & Technologies :** Python, Django, Django CMS, JavaScript, HTML/CSS, jQuery, Bootstrap 4, DataTables
  - **Number of project team members:** 2

Mobile applications :

- Run Advisor: Cross-platform mobile developer (July 2020 - Dec 2020)
  - **Goal:** to develop an iOS application in Xamarin from scratch. This app is dedicated to running enthusiasts looking for courses, sporting events, accommodation or even shoes. The app is still available on the Apple and Google stores.
  - *Mission :*
    - Development of a Xamarin iOS app
    - Work on API design in line with front-end requirements.
    - Functional testing and deployment on the Apple store.
  - **Languages & Technologies :** Python, Django, MvvmCross, Xamarin for iOS, C#, REST Api, OAuth2
- NoCash: Cross-platform mobile developer (June 2019 - Oct 2019)
  - **Objective:** design the POC of a dematerialized wallet enabling payments to be made via an NFC wristband and intended for events. The application allowed users to top up their credit and check their balance via the bracelet's NFC contact.
  - *Mission:*
    - Development of functionalities for the iOS version.
    - Work on API design in line with front-end requirements.
    - Functional testing and deployment on the Apple store.
  - **Languages & Technologies :** Python, Django, MvvmCross, Xamarin for iOS, C#, REST Api, OAuth2

ALDEBARANDE: FULL-STACK PHYSICAL PROJECT MANAGER   *2016-2018*

As a phygital technical project manager, I had the opportunity to work on several technologically innovative projects.

Notable projects :

- *Rémy Martin*
    - **Goal:** Redesign a touch-screen application for the parent company's tour circuit. The challenge was to make tactile interactions with the table as fluid as possible.
    - **Mission:**
        - Gather functional requirements.
        - Design of the application architecture and arbitration of technical choices.
        - Application development, delivery and acceptance.
    - **Languages & technologies:** HTML5 - CSS - Javascript - Jquery - JSON
- *Château Guiraud:*
    - **Goal:** as part of the refreshment of their brand image and the modernization of their visitor tour, the objective of the assignment was to develop a website with a customized CMS, as well as a CRM dedicated to the specificities of the wine industry.
    - **Mission :**
        - Audit and collection of functional requirements
        - Development of a customer management application for Château Guiraud (PHP Laravel, MySQL, jQuery, Bootstrap4)
        - Development of a bespoke vineyard-oriented CMS
        - Handover of deliverables & end-user training
    - **Languages & Technologies :** PHP - Laravel - MySQL - Vue.js - Bootstrap4

- *Les Places d'Or:*

  - **Goal**: as part of the organization of the Les Places d'Or trade show (luxury packaging), we were asked to create a mobile application that would recreate the trade show experience. The application was to include news about the show, a list of exhibitors with brief descriptions, and a virtual tour of the show's stands in "Google Street View" format.

  - **Mission**:

    - Development of the native iOS mobile application from scratch.

    - Development of the native Android mobile application from scratch.

    - Capture of 360° images and integration of shots into a web virtual tour, integrated in webview on the 2 applications.

    - Connection of the applications with the news API.

  - **Languages & technologies:** Swift - Java (J2EE) - HTML - CSS - Javascript - Three.js - REST API

- *COVEA Group :*

  - **Mission** :

    - Development and installation of a touch table application for a trade show.

  - **Languages & Technologies :** HTML5 - CSS - Javascript - Jquery - JSON

📄 EDUCATION

MASTER 2 - BIOLOGY & COMPUTER SCIENCE (GPHY)   *2016*

    Honors. Specialization in medical imaging - University of Poitiers

MASTER 1 - BIOLOGY & COMPUTER SCIENCE (GPHY)   **2015**

    Honors. Specialization in medical imaging - University of Poitiers

LICENCE 3 - BIOINFORMATICS   **2014**

    University of Poitiers

MEDICAL SCHOOL ENTRANCE EXAM   **2008-2010**

    University of Poitiers

SCIENTIFIC BACCALAUREATE - MATHEMATICS   **2008**

✅ SKILLS

PROFESSIONAL SKILLS

Skill	Rating
Specification writing	★ ★ ★ ★ ☆
MySQL, Posgres, SQLite	★ ★ ★ ★ ☆
Django/Flask/Python	★ ★ ★ ★ ★
HTML/CSS	★ ★ ★ ★ ★
Javascript	★ ★ ★ ★ ☆
Laravel/Symfony/PHP	★ ★ ★ ★ ☆
iOS Native (Swift 3+)	★ ★ ★ ☆ ☆
NodeJS	★ ★ ★ ☆ ☆
MongoDB	★ ★ ★ ☆ ☆
VueJS	★ ★ ★ ☆ ☆
React JS/Native	★ ★ ★ ★ ☆
SQL Server	★ ★ ☆ ☆ ☆
GraphQL	★ ★ ★ ☆ ☆
CI/CD	★ ★ ★ ☆ ☆
Docker/Kubernetes	★ ★ ★ ☆ ☆

PERSONAL SKILLS

Skill	Rating
Organization	★ ★ ★ ★ ☆
Time management	★ ★ ★ ★ ☆
Teamwork	★ ★ ★ ★ ☆
Communication	★ ★ ★ ★ ★
Creativity	★ ★ ★ ★ ☆

LANGUAGE SKILLS

Language	Rating
English	★ ★ ★ ★ ★
French	★ ★ ★ ★ ★
German	★ ★ ★ ☆ ☆
Arabic	★ ★ ★ ★ ☆