Mohamed YOUNES (medunes)

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Married: Yes, **Children:** 0
Driving License: No
EU Work Permit: No, **Willing to relocate:** Yes

Middle FullStack Developer

PHP (5 years) / **Symfony** (3 years) / **JavaScript** (4 years) / **Node** (1 year)

WORK EXPERIENCE

JAN 2013 – CURRENT › MINISTRY OF EDUCATION OF TUNISIA › *FULLSTACK WEB DEVELOPER*

> I'm helping the regional department of the Tunisian Ministry of Education to digitize their administration and migrate it to paperless level.

JAN 2012 – CURRENT (FREETIME) › FREELANCE › *FULLSTACK WEB DEVELOPER*

> I developed various on-demand web applications for clients inside and outside Tunisia.

EDUCATION

1999 – 2002 › BACCALAUREATE OF SCIENCES › *PIONEERS' SCHOOL OF SOUSSE (TUNISIA)*

> **Mathematics**

2002 – 2011 › BACHELOR OF SCIENCES › *FACULTY OF SCIENCES OF MONASTIR (TUNISIA)*

> **Computer Sciences**

LANGUAGES

English (Fluent) **French** (Fluent) **German** (Basic)
Arabic (Native)

INTERESTS

BlockChain CryptoCurrency TransHumanism
Psychology Philosophy Yoga Swimming NGO Pizza

ACHIEVEMENTS (Ministry Of Education)

Curriculum generator

I organized an administrative task of the regional department of education: 'Generating the professional curriculum of employees" which was before made by hand or by Word Processors. So I developed a web application (client-server) where data, once entered, becomes unique and shared among all the administration. The task is thus more reliable, faster and contributory.

Tags: HTML CSS PHP5 MySQL Stored Procedures JavaScript

Teachers transfer management

I unified an annually-repeated administrative task (Teachers transfers) through a web application. The application tracks and saves the inputs/outputs of teachers according to a certain region. Movements are linked to their appropriate administrative documents (scanned PDF) and advanced queries can be run further for organization, consistency, inspection and statistics.

Tags: Symfony3 Boostrap FormValidator CSS jQuery AJAX Functional Design ER-Modeling Doctrine2 DQL

ACHIEVEMENTS (Freelance)

DewDrops mini-ERP http://dewdrops.medunes.net

I developed a mini-ERP for a wide local store of construction hardware. A complex job (specific scripts) has been done to successfully migrate the database from legacy proprietary HyperFileSQL (Windev) to MySQL

Tags: MySQL DQL PHP jQUERY AJAX FOSUser Symfony3 EasyAdmin Doctrine2 CSS Bootstrap RDBMS Functional Design ER-Modeling DB-Migration

MSPro website http://mspro.tn

I developed a fast lightweight website for a leading IT company in TUNISIA.

Tags: PHP Bootstrap Slicker GoogleMaps SVG jQUERY AnimateCSS Velocity PHPMailer Recaptcha2

PERSONAL PROJECTS

SMSTransmitter github.com/medunes/SMSTransmitter

I developed an open-source SMS transmitter based on the MessageBird API. I have used no frameworks but plain old PHP, following PSRs and writing all components from scratch. The transmitter insures a throttle preventing spam, and crafted body/header sanitization.

Tags: PSR PHP SMS

Battuta! https://battuta.medunes.net

My best personal project I'm most proud of.

Once I noticed that Google Places provide duplicate names of the same region or city and sometimes confuses them, I decided to build a REST API that insures accuracy through administrative subdivisions: Country divided into Regions divided into Cities. I used open-source databases of Geo-Locations to craft a solid database that can be queried through REST request. I've also written detailed and simple documentation with client-side show cases.

I have more than 1400 users subscribed and using the service. I limited the quota to 500 requests per account/email to minimize hosting costs. Many users ask me about commercial versions which I'm thinking about it.

Tags: REST API Documentation MySQL DQL PHP jQUERY AJAX User-Management GUARD Symfony3

Khatwa http://khatwa.medunes.net

I've developed and currently maintaining "Khatwa" (in Arabic) which is a web application allowing users (teachers of middle & secondary schools of the Tunisian Ministry of Education) to register, fill in their current position's information and choose the regions to which they wish to switch. The application will smartly find best matches ordered by relevance.

Tags: HTML CSS PHP5 MySQL Stored Procedures JavaScript

SolarNext Web Monitoring System

I have developed a web-based monitoring platform for a German company specialized in the production of solar heating plants. (Confidential project). The solution required a full-stack work: ER modeling, translation of industrial requirements to advanced algorithms which mainly insure charts visualization of sensor states, fault-detection and dynamic SVG rendering of schemas and real-time monitoring of sensor states. The application also includes user management with access rights. It is equipped with a "CRUD" interface, subject to technical constraints, for the management of assemblies and components. I finally delivered a detailed documentation of 10 pages for eventual extensibility.

Tags: RDBMS Functional Design ER-Modeling DB-Migration ChartJS DQL MySQL SVG Bootstrap Management

TImeduLines https://medunes.net/timedulines

I transformed an open-source SVG mockup (Freepic) from a "dead" picture to an animated/dynamically-generated timeline. You only have to fill in some basic JSON data (titles, dates and subtitles) and you'll get an awesome animated timeline that you can directly insert into your website.

Tags: HTML CSS PHP5 MySQL Stored Procedures JavaScript mockup-integration

Local Weather https://medunes.net/local-weather

I developed an open-source frontend application which consumes open-weather API and visualizes it in an ergonomic design.

Tags: HTML CSS AJAX jQUERY Design GoogleLocation

Wikunes https://medunes.net/wikunes

I developed an open-source frontend application which consumes Wikipedia API and visualizes it in an ergonomic new design.

Tags: HTML CSS AJAX jQUERY Design GoogleLocation

GoldenBook https://golden-book.herokuapp.com/

I developed an open-source Node/Express application that allows user authentication through Facebook OAuth, managing personal profile, writing posts, liking posts or removing them. Feel free to write your golden message to me ☺

Tags: Node Express MySQL ES6 Heroku EJS SemanticUI PassportJS OAuth