Mehdi CHEBBAH

Backend Developer

Short and engaging pitch about yourself.

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🗒 stackoverflow.com/users/13340728/mehdi-chebbah

WORK EXPERIENCE

Web Developer
Freelancer

07/2018 - Present

Achievements/Tasks

○ Websites for variant companies: Madi Carbon, AQUA Group, VIVATechnologies, Mobile Tour, IGILGILI Tour

Backend Developer
iTEXC

07/2019 - 01/2020   *Algiers, Algeria*

Software development and IT services Agency

Achievements/Tasks

○ Adding an appointment system to backend

○ Fixing bugs

○ Documenting the API

○ Functional tests

Contact: Nadir Belhadj - Owner/Manager @ ITEXC Agency

VOLUNTEER EXPERIENCE

Project Manager & Developer
InnovationLab (A UNICEF organization)

09/2019 - 05/2020   *Algiers, Algeria*

I was the leader and project manager and also a developer of the project PBlock 2.0 which aims to automatize PBlock using techniques of Machine Learning.

Backend Web Developer
InnovationLab (A UNICEF organization)

09/2018 - 07/2019   *Algiers, Algeria*

I was the co-founder and the developer of backend of the project PBlock which aims to make the internet more secure for kids by removing inappropriate content.

LANGUAGES

Arabic
Native or Bilingual Proficiency

English
Full Professional Proficiency

French
Professional Working Proficiency

SKILLS

Databases   REST APIs   UI/UX Design

Web Applications   Cloud   Microservices

Architectures

PERSONAL PROJECTS

sciREC (10/2020 - 09/2021)

○ **sciREC** is a novel design and implementation of a hybrid scientific recommender system. While building this system, we were primarily interested in avoiding some of the design flaws and common deficiencies in previously implemented systems. The system also comes with a powerful tool that allows us to evaluate and improve it even after it goes into production.

○ I've built a semantic similarity model, a topic modeling model, and I've applied my data scraping/cleaning/transforming skills.

○ A full description of the project could be found here.

WatchCovOut (10/2020 - 10/2020)

○ WatchCovOut is a solution for monitoring and organizing COVID-19 cases.

○ I was a Full stack Developer and my tasks were to develop the backend and admin dashboard of the platform.

○ A full description of the project could be found here.

CoronaWatch (02/2020 - 07/2020)

○ CoronaWatch is a platform for the Government to be able to fight against fake news about COVID-19 by publishing official numbers, articles written by scientists, by gathering news from reliable sources, monitoring potential new cases, and many other features.

○ I was on the backend team of the system and I was responsible for: Designing the architecture; Developing the backend; Write the documentation of the API; Write functional tests; Configure the application on Firebase; Build the Web Crawler; Deploy the application; Collaboration between Backend and frontend teams; Lead of the backend team.

○ A full description of the project could be found here.

PBlock 2.0 (01/2019 - Present)

○ PBlock is a chrome based extension that allows the parents to protect there children online by blocking websites that contains unsuitable content for children. The app is part of InnovationLab (A UNICEF project) in the highest school of computer science in Algeria.

○ I am the Project Manager and also a Developer of the extension.

○ A full description of the project could be found here.

What's This (10/2019 - 10/2019)

○ What's This is a Mobile Application that aims to help visually impaired people in our country to do some painful daily tasks.

○ The App won the third price in the GDG's DevFest Hackathon.

○ I was a Mobile Developer at the team.

○ A full description of the project could be found here.

EDUCATION

Master Degree in Computer Science
Higher School Of Computer Science ESI

10/2020 - 09/2021   *Algiers, Algeria*

Courses

- Types of intellectual property
- Academic writing techniques
- Advanced topics about NLP

Computer Science Engineering
Higher School Of Computer Science ESI

09/2016 - 09/2021   *Algiers, Algeria*

Courses

- Databases
- Data Analysis
- Linux
- Data structures
- Maths
- Machine Learning
- Big Data
- Algorithms
- Statistics
- Full Stack Web Development

HONOR AWARDS

5th place in ACPC hackathon (12/2020)
AFRICA & ARAB Collegiate Programming Championship

- We winned the 5th place in the ACPC hackathon 2020 edition for problem solving.

Participation Certificate in HackAlgeria (08/2020)
FCE Algiers

- For participating in the online hackathon with our application **WatchCovOut**. a platform that helps the government to control the spread of COVID-19 using a mobile app installed on people's phones.

InnovationLab Certificate (09/2018 - 06/2019)
ESI-InnovationLab-UNICEF

- I've been given this certificate because i was a part of the team developing the project **PBlock** in the field of humanity and children online protection.

3rd Place at DevFest Hackathon (10/2019)
GDG Algiers

- We winned the 3rd price in DevFest hackathon 2019 for our project **What's This**. a mobile app that aims to help visually impaired people in doing difficult daily tasks that seem to be simple for us.

INTERESTS

| Academic Writing | Arabic NLP | Data Science |

| Kung Fu | Web Solutions | العلوم الشرعية |

PERSONAL PROJECTS

chiir-arabi (12/2020 - 12/2020)

- Chiir-Arabi is a website for sharing Arabic poems.
- I've developed the frontend, the backend and handled the deployment.
- A direct link to the project (http://chiir-arabi.tk/)

Nedjda Website (03/2020 - 06/2020)

- This project is about designing and developing a website to present the charity organization "**Nedjda**".
- I was a Frontend Developer and UI/UX Designer and my tasks were: Realizing the wireframes; Developing the frontend.
- A full description of the project could be found here.

Genius Academy Website (10/2018 - 10/2018)

- This is a website built for **THE GENIO'S ACADEMY** in order to have an image of the company in the internet. and to facilitate the communication with the clients.
- I was a Frontend Developer and UI/UX Designer and my tasks were: Designing the website; Developing the frontend; Including a chatbot; Deploying the website.
- A full description of the project could be found here.

ESIRegie (02/2017 - 06/2017)

- **ESIRegie** is a desktop application that aims to facilitate the governance management for the stage manager in the higher school of computer science (ESI ex INI).
- I was a Database Architect and my tasks were: Designing the database; Writing SQL queries; Maintain the databases.
- A full description of the project could be found here (http://mehdi-chebbah.ml/projects/8.html).

My Blog (10/2019 - Present)

- I've been writing lot of blog posts in my blog explaining some Data science related topics, and trying to realize some mini-projects that helps to better understand what I learned and also helps new incomers to the field to figure out there way.

TECHNICAL SKILLS

Backend
Node.js, Express.js, Firebase, Strapi, EJS, Sequelize

Data science Basics
Python, R, Jupyter, Colab

Data Scraping
Selenium, Google-it, Cheerio, Tor proxy

Data Visualizing
MatPlotLib, SeaBorn, MetaBase

Databases
SQL/PLSQL/SQL3, NoSQL, Cypher

DevOps
Microservices, Git/Github, Docker, Docker Compose

Engineering
Data Structures, Algorithms, SOLID Principles, Design Patterns

Frontend
HTML5/CSS3/JavaScript, JQuery, Bootstrap, Figma