

Rahma Hasna BEDLA

Computer science engineer currently working as Full Stack Developer

Computer science engineer specializing in information systems and technology.

I have dual master's degrees : Computer Science Engineering from ESI-Algiers and BI from the University of Lorraine in France.

An energetic, dynamic, and enthusiastic girl who is passionate about new technologies.



[See portfolio](#)

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EDUCATION

Master 2 BI Optimization and Algorithm

UFR MIM-University of Lorraine in Metz

09/2020 - 09/2021,

Metz, France

Master 2 Computer science engineering

Higher National School of Computer Science, ESI

09/2014 - 09/2019,

Algiers, Algeria

Courses

- BDD/Design patterns/Software architecture/UML
- Software engineering, HIM and programming (Desktop, Web, Mobile).
- DATA Analysis / AI / Decision Support System / IS Urbanization.
- Project Management/ Risk Management/ Accounting and Finance

WORK EXPERIENCE

Full Stack Developer | Data Science | Data Visualization

Luxembourg Institute of Science and Technology

04/2021 - Present,

Esch Sur Alzette, Luxembourg

Environment: MERN stack, React, Python, JavaScript, D3js, Nodejs, MongoDB, NetworkX, Cloud, Kubernetes, Docker.

Achievements/Tasks

- Development of a Data Visualization/ Data processing Web app for hyperspectral datasets coming from Nanotech & microscopy science instruments.
- Propose and Design Data Visualization Graphs for a dashboard that best represent the Dataset of scientific papers on Covid 19 to assist biologists in decision making.
- Optimize the implemented visualization graphs to improve readability and user understanding.
- Work on Scalability, Extensibility, Robustness of the apps.

Software Engineer

Telephone Operator ATM MOBILIS

01/2020 - 09/2020,

Algiers, Algeria

Environnement : Java, C#, ASP.Net, SQL Server, Crystal Report.

Achievements/Tasks

- Conception & Development of .Net and Java apps of sales and finance management software.
- Analysis and optimization of the company tools for all clients (external or internal) if it is required.
- .Net and Java development of sales and finance management software.

Software Engineer (Final year internship)

Center for the Development of Advanced Technologies

09/2018 - 09/2019,

Algiers, Algeria

Environment: Unity3D, C#, Moodle, JavaScript, Html, CSS, Bootstrap.

Achievements/Tasks

- Implementation of an E-learning platform that will solve the existing problems of the educational system in Algeria, based on new technologies such as 3D interaction in Virtual Reality / Augmented Reality.
- Propose an Urbanization of Algeria's Education IS.

SKILLS

ReactJS NodeJS ExpressJS JavaScript

C# JAVA Python HTML, CSS, Bootstrap

Data processing Data Visualization

Docker, CI/CD, Kubernetes SQL Server

MySQL Monet-db MongoDB

PostgreSQL Oracle Crystal reports

CERTIFICATES

IBM Full Stack Software Developer Professional (2023)

- <https://www.credly.com/go/YxKvbsvs>

Backend with Node and Express (01/2023)

- <https://www.credly.com/go/OLjus8X4>

Frontend with React JS (01/2023)

- <https://www.credly.com/go/IgXK6QEI>

Python for AI and App Development (12/2023)

- <https://www.credly.com/go/sUEBwuFZ>

REFERENCES

Patrick Gratz, Senior Engineer at LIST

patrick.gratz@list.lu

Vijaykumar Varma, Research & development Scientist

vijaykumar.varma@list.lu

Kahina Amara, Researcher in Robotics and IT at CDTA

kamara@cdta.dz, kahina.amara88@gmail.com

PROJECTS & EXTRACURRICULAR ACTIVITIES

Member of the Google Developers Group of Algiers (GDG - ALGER) (09/2016 - 09/2018)

I was the designer and head of the logistics department.

Development of a dental office management application (09/2017 - 01/2018)

- Development of a dental office management application that automates all the functions of a dentist in his office, marketing of the application and after-sales services.

Microsoft student partner (07/2016-12/2017)

Make the students aware about the latest Microsoft technical advancements in the world and host tech events and give demos on campus.

Trainer Office 365 and G Suite (School Echarika Algiers) (09/2018 - 11/2018)

I have worked as a trainer of the Office and G Suite

C# Developer Freelancer

09/2018 - 09/2019,

Environment: C#, .Net, JavaScript, Html, CSS, Bootstrap.

Algiers, Algeria

Achievements/Tasks

- Development of management applications for different businesses that, I have managed the marketing of the application and after-sales services as well.
- I held the position of an IT engineer where I was involved in several missions at the technical or organization level.

LANGUAGES

Arabic

Native or Bilingual Proficiency

French

Full Professional Proficiency

English

Full Professional Proficiency