







Meguenni Walid

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TECHNICAL SKILLS:

- **Programming Languages:** JavaScript/TypeScript, Java, Python, SQL, NoSQL, CSS, HTML
- **APIs:** RESTful API, GraphQL
- **API Documentation:** Swagger
- **Frameworks and Libraries:** Node.js, Express.js, Nest.js, Django, React.js, Next.js, MaterialUI, Tailwind CSS, Rmi, Corba
- **Database:** MySQL, MongoDB
- **version control systems:** Git
- **Cloud:** AWS Cloud
- **Software & Tools:** VS Code, Figma
- **Language skills:** Native speaker of Arabic - Good in English - average level in French
- **Modeling and Design:** UML

WORK EXPERIENCE:

University of Hassiba Ben Bouali Chlef

Dec 2022 - May 2023

Research Intern

- Develop a new protocol called the Decentralized Link State Chain Protocol (DLSCP) for sending data in the blockchain network.
- Build new Blockchain platform (version 0) using Node.js and WebSocket and Next.js.
- Collaborated closely with a team of 2 researchers and 6 developers to deliver high-quality solutions.
- Stunning increase in network performance compared to the Gossip protocol with respect to three criteria: delay, size of data, and number of casting for each transaction as it avoided the repetition of any transaction and we got the **N-1** result. (N: number of nodes in Blockchain network).

Freelance

Jun 2023 - Present

Web development mentor

- Provide instruction and teach on various web development topics, including HTML, CSS, JavaScript, Node.js, and Express.js and MongoDB and React.js.
- Personalized Support so each mentee I tailor my support to meet their individual needs, providing encouragement and constructive feedback to help them progress and evaluate them.
- Share my experience with my mentees.
- Collaborating on coding projects with my mentees by working on projects together fosters teamwork and helps your mentees understand how to approach real development tasks.

EDUCATION:

2021 - 2023 | University of Science and Technology Mohamed Boudiaf

Master's degree in Networking and Distributed Computer Systems

2018 - 2021 | University of Hassiba Ben Bouali Chlef

Bachelor of Mathematics and Computer science - Software Engineering

PROJECTS:

Blockchain Platform Development Project:

<https://github.com/walidmeguenni/blockchain-wmcoin>

Expressjs, websocket, leveldb, Rest Full Api, Nextjs, tailwindCss

- Build private cryptocurrency using for university .
- Build P2P network using websocket and develop a new protocol for sending data
- Provide users with a friendly interface using Next js and TailwindCss.
- Coding the core of Blockchain using OOP
- build restfullapi using express js
- Implementing the Seed Node Concept from Bitcoin Blockchain for Node Discovery and Connectivity

Warehouse Platform Development Project:

<https://github.com/walidmeguenni/warehouse-platforme>

Expressjs, Mongodb, Rest Full Api, Reactjs, Material ui

- Building a Warehouse Platform and Submitting a Government Financial Support Request for Start-up Company Establishment.
- Developing a Website with MERN Stack, UML, and Agile Methodology

Flight Reservation Application with Bank System:

<https://github.com/walidmeguenni/Flight-Reservation-and-Bank-System>

Java, Sqlite, Corba, Swing

- Designed and developed a flight reservation application and Bank System utilizing CORBA
- Implementing a Client/Server Architecture between client and flight reservation application.
- implementing a P2P Architecture between Flight Reservation Application and Bank System.

Ecommerce web store:

https://github.com/walidmeguenni/MG_ecommerce

Next js, Stripe, Sanity

- Created a fully functional E-commerce web store, empowering businesses to showcase and sell products online.
- Developed a fully functional E-commerce web store with Sanity CMS for easy product management.
- Utilized Next.js for front-end development, ensuring a seamless user experience with fast page loading.
- Integrated Stripe payment gateway for secure and smooth online transactions.

CERTIFICATIONS:

- AWS Academy Graduate - AWS Academy Cloud Foundations
- AWS Academy Learner Lab