Moustafa Riad

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WORK EXPERIENCE

🏢 WITTIFY – CAIRO, EGYPT
SENIOR SOFTWARE ENGINEER – 01/2025 – CURRENT

- Developed no-code AI agents using **LangChain** and **LangGraph**, enabling users to build workflows without coding.
- Deployed agents across **Meta channels,** including Instagram, WhatsApp, and Messenger.
- Integrated agents with third-party tools and services, adding voice and call interaction capabilities.
- Collaborated on scalable backend systems to support real-time, multimodal communication.

🏢 UDACITY – CAIRO, EGYPT
SESSION LEAD – 10/2024 – 05/2025

- Facilitated weekly technical sessions, guiding students through project-based learning in software development and AI tracks.
- Mentored learners by providing feedback, answering questions, and supporting their progress through the Nanodegree curriculum.
- Collaborated with Udacity mentors and staff to improve the learning experience and address student challenges effectively.

🏢 EMUSHRIF – CAIRO, EGYPT
SOFTWARE ENGINEER – 10/2021 – 01/2025

- Develop backend microservices using Nest.js and GraphQL.
- Secure the back end using security best practices against significant security threats.
- Lead Squad to handle supportive services like (Payment and Notification) services.
- Transit data between IoT devices and the central system using MQTT protocol.
- Provide real-time data through UDP and Kafka.
- Build Schema and system design for new services.

🏢 MABRAINS – CAIRO, EGYPT
FULL-STACK DEVELOPER (MEAN/MERN) – 03/2021 – 09/2021

- Design client-side and server-side architecture
- Build the front end of applications using React or Angular.
- Develop effective APIs using Backend Frameworks (Flask, Django).
- Develop back-end APIs in Node.js using JavaScript (ES6) and Express.js.

EDUCATION AND TRAINING

12/2022 – 03/2023
NANO DEGREE CLOUD DEVELOPER Udacity

I learned this nano degree, some AWS services, and how to build serverless applications

Skills: Serverless Framework · Cloud Development · Amazon Web Services (AWS)

Website https://www.udacity.com/

Link https://graduation.udacity.com/confirm/LGPFACTM

10/2020 – 03/2021 Cairo, Egypt
ITI MEAN/MERN FULL STACK DEVELOPER Information Technology Institute

Website http://iti.gov.eg/iti/home

09/2014 – 07/2019 Fayoum, Egypt
BACHELORS OF COMPUTER SCIENCE Faculty of Computers and Information

PROJECTS

Wittify – No-Code AI Agent Platform

- Write here the description...Leading the development of no-code AI agents using **LangChain** and **LangGraph**, enabling users to create autonomous workflows.
- Deployed agents across channels like **Instagram, WhatsApp, and Messenger (Meta)** for seamless conversational experiences.
- Integrated third-party tools enabled **voice and call functionalities**, expanding multimodal interaction capabilities.
- Contributed to backend architecture to support scalable, real-time, and secure agent execution.

Link https://wittify.ai/

Saar - Student Transportation App (Oman)

- Contributed to the development of **Saar**, a transportation platform built exclusively for students, offering a safe and reliable alternative similar to **SWVL**.
- Collaborated with a dedicated team to design and implement features focused on student schedules, verified access, and route optimization.
- Ensured seamless user experience and system reliability across web and mobile interfaces.
- Played a key role in testing, deployment, and refining the platform based on user feedback.

Link https://www.emushrif.om/

Digital Car - E-commerce Platform – Buy & Rent Cars (Saudia)

- Developed an innovative platform for car purchasing and rentals using **NestJS** and **MongoDB**.
- Integrated **Stripe** for secure and seamless payment processing.
- Implemented **CASL** for role-based access control and deployed the system on **AWS** for scalability and reliability.
- Focused on delivering a smooth user experience with robust backend architecture and secure data handling.

Link https://www.digitalcar.sa/

Locals - Food Delivery Platform (Kuwait)

- Built and maintained a **Talabat-style food delivery app** tailored for the Kuwaiti market.
- Developed core features including restaurant listings, user ordering flows, and delivery management.
- Collaborated on backend and frontend development to ensure a smooth and responsive user experience.
- Contributed to integrations with payment gateways and logistics systems for end-to-end service delivery.

Link https://app.trylocals.net/

JOB-RELATED SKILLS

Skills

- **Languages & Frameworks:** Node.js, TypeScript, React, Express, Mongoose, Django, Flask
- **Databases:** MySQL, PostgreSQL, MongoDB
- **DevOps & CI/CD:** Docker, Docker Compose, GitHub Actions, Bitbucket Pipelines, YAML
- **Cloud & Serverless:** AWS (EC2, S3, Elastic Beanstalk, Lambda), Serverless Architecture
- **Messaging & Streaming:** RabbitMQ, Kafka, MQTT
- **Other:** GraphQL