

Nour Abdelmaksoud

SOFTWARE ENGINEER · FULLSTACK DEVELOPER

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Education

University of Münster

MASTER OF SCIENCE (MSC) IN INFORMATION SYSTEMS

- Double Specialization in Information Systems Development and Business Intelligence.

Münster, Germany

2022 - Current

German University in Cairo

BACHELOR OF SCIENCE (BSC) IN BUSINESS INFORMATICS

- German Grade: 1.85. Focusing on more programming and technical courses.

Cairo, Egypt

2017 - 2021

Experience

Wenda Srl

MID-LEVEL FULLSTACK DEVELOPER

- Lead developer in two major projects, one involving creating an admin dashboard micro-service for large supply chain companies in Italy and the other was a document digitization platform using large language models to turn documents into structured data that could be integrated with ERP systems
- Integrated projects with fully automated CI/CD pipelines using GitHub actions, Docker and AWS ECR
- Changed the architecture of micro-services from being embedded as Iframes to being added as verified, configurable micro-frontends by using Angular's Standalone Modules and NextJS's module federation.
- Redesigned microservices communication architecture and database synchronization using websockets, Redis, and pgpubsub; enhanced system performance by 40% and reduced data inconsistency issues by 25%.
- Heavily used Typescript generics and Zod to be able to automatically verify new structures added by developers to ensure a smooth and type-safe development environment.

Bologna, Italy (Remote)

March, 2022 - March, 2024

Webgen Studio

FULLSTACK DEVELOPER

- Developed multiple websites for marketing agencies using initially Vanilla JavaScript, HTML and CSS and then later on inheriting React in my projects.
- Rewrote a lot of legacy Javascript and jQuery code into modern ES6 code, as well as, fixing a lot of bugs along the way.
- Implemented a generic animations system using GSAP and PixiJS that could be easily configurable and shipped to different projects.
- Drastically improved the rendering times of components in their main Website Builder platform by lazy loading a lot of unnecessary modules at the start and using web-workers for heavy calculations.

Hurghada, Egypt

Jun. 2019 - Nov. 2021

Projects

Job Hunting Agency Website using Camunda

PROJECT

- Implemented a website using Angular and Java Spring where job offerings are posted by collaborated companies and applicants can upload their CV where then a Workflow model that was built using Camunda Modeler is followed through the Camunda Engine to select qualified candidates.

Münster, Germany

2022

Rescue Simulation Game

PROJECT

- Developed a game using Java and the MVC framework. In this project the user controls a city's services and tries to rescue as many citizens as possible.

Cairo, Egypt

2020

Skills

DevOps AWS, Docker, Kubernetes, Github, Gitlab, Vercel

Back-end NextJS, Java Spring, Flask, Express, Django, REST API

Front-end Angular, React, React native, Flutter, Redux, HTML5, LESS, SASS, Tailwind

Programming Javascript, Typescript, Python, JAVA, KAFKA, Spring Boot, Spring Security, JPA, Postgresql, C, Dart

Languages Arabic, English, German (B1)