

# BASEM MOSTAFA MAHMOUD MOSTAFA

MEAN|MERN DEVELOPER

**Location:** Giza, Egypt

**Nationality:** Egyptian - **Date of Birth:** June 16<sup>th</sup>, 1998

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**Military Service:** Completed (October 2020 – December 2021)

## Official Education

- **Ain Shams University, graduated in 2020 (BA):**
  - **Faculty:** Faculty of Al Alsun (languages and translation)
  - **Major:** Slavic Languages and Literature, Czech Language division
  - **Minor:** German as a second language
  - **Overall percentage/grade/GPA:** 83.7% / Very Good / 3.35

## Portfolio:

- **My Personal Portfolio (Web Project)** ([Go To Website](#)) ([Go To Codebase](#))
- **My GitHub Account** ([Go To Website](#))

## Training & Internship

- **MEARN Development Intern at Information Technology Institute (ITI)**  
(ITI/AAIB Academy Internship) (March 2022 – Now)
  - Projects:
    1. **BMDB – Movies Database (Web Project)** ([Go To Website](#)) ([Go To Codebase](#)):
      - A React app that acts as a movie database to browse through a large dataset of movies
      - The layout is brought to life using React, react-bootstrap, Redux, Redux Thunk, and Context
      - Axios is used to communicate with the external TMDB API
    2. **Medical Appointments Website (Web Project) (Team Project)** ([Go To Website](#)) ([Go To Codebase](#)):
      - A responsive full-stack web application built with the MERN stack.
      - My responsibilities as a full-stack developer in the team:
        - Design the landing page & “Our Specialists” page wireframes on Figma
        - Implement the doctor’s application multi-step form
        - Implement the doctor’s booking drawer component
        - Implement authorization/authentication strategy using JWT & http-only cookies
        - Implement a total of 35 endpoints for the 3 roles
        - Implement the API’s documentation using Swagger & swagger-express-ui
        - Deploy & maintain both the back end on Heroku and the front on Netlify
- **MEAN stack training at IT Share in Al-Dokki, Giza, Egypt** (August 2019 – November 2019)
  - Project:
    1. **Czech – English Word Game (Web Project)** ([Go To Website](#)) ([Go To Codebase](#)):
      - A word game for students of English and Czech to practice their vocabulary, keep track of new words learned and compete with the top 5 players to show off their vocabulary knowledge
      - Built using Vanilla JavaScript, CSS3, HTML, Node.js, Express.js and MongoDB
      - Mongo Atlas cloud (DBaaS) and Heroku (PaaS) were used as the cloud services needed

## Courses & Achievements

- Web Development Professional Nanodegree - FWD Egypt Initiative (August 2020 – October 2020)
- JS Algorithms and Data Structures certification – FreeCodeCamp (December 2019 – February 2020)
- 1<sup>st</sup> place in the Czech creative writing contest – Czech department, the faculty of Al-Asun (March 2019)

## Skills

### 1. Front-end

- Advanced JS, CSS3, and HTML5 (Experience with building larger applications without frameworks)
- Proficient in building applications using React.
- Intermediate experience with building SPAs using Angular.
- Proficient in Bootstrap and MUI.
- State management using Redux, Redux Toolkit, and Redux Thunk.
- Familiarity with Sass and SCSS
- Experience with Responsive Web Design and the Mobile-First approach
- Experience in designing and implementing wireframe built on Figma.

### 2. Back-end

- Proficient in building web servers in Node.js using Express.js
- Experience with error-handling techniques in Express.js
- Ability to work with both REST APIs and GraphQL
- Strong grasp of Backend development concepts (Authentication using sessions and JWT, Authorization, Encryption and Hashing, REST APIs)

### 3. Databases

- SQL (SQL Server, SSMS) (General knowledge of relational databases and ER diagrams)
- MongoDB (Mongo CLI, Mongo Atlas, Robo 3t) (General knowledge of non-relational databases)
- Database design and experience with ERDs

### 4. Unit Testing

- Unit Testing using JEST, Mocha, and Jasmine

### 5. Version Control

- Git CLI and GitHub

### 6. Agile Knowledge

- Jira and general knowledge of workflow tools and platforms
- Familiarity with the Agile mindset and principles
- Familiarity with SCRUM as the most popular methodology

### 7. Cloud Solutions (Hosting, setting up custom domains, handling DNS records)

- Heroku
- Netlify
- Cloudinary

### 8. Programming Paradigms

- Functional Programming
- Object-Oriented Programming

### 9. Operating Systems

- Linux (Debian-based distributions)
- Strong familiarity with both Linux Shell and Windows' Command Prompt

- **Languages:** Arabic (Native), English (Fluent), Czech (Intermediate)