

# Mohamed Hany Youns

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## Front-end Engineer

Passionate Front-end Engineer dedicated to applying cutting-edge concepts and principles of UI/UX, animation, web accessibility, responsive design, and search engine optimization “SEO”. I strive to create high-quality and elegant products that captivate users and leave a lasting impression.

During my spare time, I enthusiastically delve deeper into the realm of software engineering, immersing myself in topics such as good software design, clean code, testing, performance optimization, scalability, automation, and seamless maintenance. This commitment to continuous learning drives me to stay at the forefront of industry trends and deliver exceptional solutions.

With a keen interest in back-end software engineering, my ultimate goal is to evolve into a proficient web full-stack engineer. Leveraging my extensive knowledge and experience, I aspire to craft remarkable products that not only meet but exceed user expectations, evoking smiles and delight.

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## Work Experience

[DXPR](#) | Amsterdam, North Holland

Front-end Engineer (Apr 2022 – Present)

### About DXPR

DXPR is a startup company that empowers content marketers, landing page designers, event marketers, and authors to harness the full potential of Drupal effortlessly. Our mission is to simplify the web by removing complexities and technical hurdles, providing a low/no code front-end builder that helps our clients achieve their business goals faster and maintain consistency with their client's desires. With a dedicated team of experts, we combine innovation, expertise, and a touch of fun to revolutionize the digital landscape and deliver impactful results.

## Responsibilities

- **Orchestrating seamless UI/UX designs:** Implementing industry-leading UI and UX practices while adhering to web content accessibility guidelines (WCAG) to deliver exceptional end-user experiences.
- **Architecting innovative software features and components:** Collaborating in team meetings to conceptualize and refine feature ideas, crafting comprehensive design documentation, and developing proof of concept (POC) implementations. Ensuring smooth integration of new features into production code.
- **Elevating stability and maintainability of production code:** Enhancing existing codebases through meticulous refactoring, modernizing legacy jQuery code with cutting-edge JavaScript/ECMAScript (ES6+), and meticulously documenting technical processes for streamlined maintenance.
- **Resolving errors, troubleshooting issues, and optimizing performance:** Collaborating closely with quality engineers to eliminate bugs and deliver robust, error-free production code. Conducting routine performance optimizations to enhance overall system efficiency.

## Achievements

- Pioneered the design and implementation of the live editing feature in the program's second version "v2." This innovative addition revolutionized the builder's capabilities, significantly increasing production speed for our users and enhancing their overall experience.
- Contributed to the implementation and enhancement of the DXPR Analytics system, resulting in a deeper understanding of user behavior and interactions with the builder. This valuable insight empowered us to deliver a seamless and satisfying experience to end users, further elevating the product's overall performance.
- Collaborated with the development team in the successful integration and migration to the Bootstrap framework's latest version 5. This major upgrade brought aesthetic enhancements to numerous Bootstrap components and improved integration with the DXPR builder, amplifying its visual appeal and overall functionality.

- Spearheaded the enhancement of multiple creator components, focusing on refining their appearance, functionality, and seamless integration. These improvements led to a smooth, rich, and immersive user experience, elevating the quality and engagement of the end product.
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## Volunteer Experience

### Translator – freeCodeCamp (Jan 2022 - Apr 2022)

Contributed as a dedicated translator, lending my expertise to translate a variety of articles into Arabic, with a focus on front-end engineering topics. This invaluable contribution helped bridge language barriers and fostered knowledge-sharing within the freeCodeCamp community.

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## Education

### British University In Egypt (BUE)

Cairo, Egypt

Bachelor of Science (B.S.) in Computer Science, 2015-2019

Faculty of Information & Computer Science, Software Engineering

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## Skills

### Technologies

React JS | JavaScript/ECMAScript/ES5/ES6+ | HTML/HTML5 | CSS/CSS3 | AJAX/Axios | Bootstrap | jQuery | Git/GitHub | CSS Pre-processors/SASS/SCSS | Module Bundlers/Webpack | Task Runners/gulp.js | Figma | Docker

### Concepts

MVC | Object-oriented programming “OOP” | API(s)/REST(ful) | Test-driven development “TDD”/Unit Testing

### Soft Skills

Critical Thinking | Problem-Solving | Self-Learning | Creativity | Good Communication | Teamwork | Presentation Skills

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## Side Projects

### Git Clone CLI Application (Java) – 2023

Developed a Java-based Git Clone CLI application inspired by the Gitlet specifications from Berkeley. This project encompassed a range of features, including committing entire directories of files, restoring specific files or complete commits, viewing a comprehensive backup history through the log functionality, maintaining branches to manage related commit sequences, and merging changes across branches.

#### Key Contributions

- Implemented robust integration tests to ensure the reliability and functionality of the application.
- Acquired in-depth knowledge of Java programming, Git version control, Git internals, command-line interface (CLI) development, and content-addressable storage.
- Leveraged unit testing methodologies to enhance the stability and quality of the application.

### JWT Authentication Web Application (ReactJS/Flask) – 2022

Developed a secure and user-friendly JWT Authentication Web Application using ReactJS for the front-end UI and Python 3 with Flask 2.0 for the back-end API server. The application offers essential features such as user registration, login, logout, and a simple profile page. It utilizes client-side validation for enhanced user experience and employs JWT token-based authentication for secure authentication and protected routes on both the client and server sides.

#### Responsibilities

- Front-end: Designed and implemented a visually appealing user interface using HTML/JSX, React/JavaScript, and CSS/SASS. Employed user experience (UX) principles to ensure a smooth app experience, including the use of modern sans-serif fonts and web animations. Validated application forms using Formik and Yup, optimizing user data submission to the back-end. Ensured web accessibility and search engine optimization (SEO) through the use of HTML semantic elements and applied cross-browser compatibility fixes.
- Back-end: Designed the database schema and created API routes to serve the front-end client. Implemented protection for API routes against unauthorized access. Deployed the application on Heroku cloud platform.

## **Technologies**

- Front-end: React JS, React Router, Formik, Yup, Babel, SASS, PostCSS, Autoprefixer CSS, Normalize CSS, Axios, Webpack 5.
- Back-end: Python, Flask, SQL, SQLAlchemy ORM, PostgreSQL.

## **GitHub Profile Finder Web Application (ReactJS) - 2021**

Developed a simple and intuitive web application using React JS that leverages GitHub APIs to fetch and display user profiles. The application allows users to search for specific GitHub users and retrieve their profile information seamlessly.

## **Responsibilities**

Designed an attractive user interface using HTML/JSX, React/JavaScript, and CSS/SASS. Implemented user experience (UX) concepts to enhance the app's usability, including the use of modern sans-serif fonts and engaging web animations. Ensured optimal performance by optimizing image sizes and applying lazy loading techniques. Validated user input using Formik and Yup libraries, ensuring clean data submission to the back-end. Utilized HTML semantic elements for improved web accessibility and search engine optimization (SEO). Ensured cross-browser compatibility with PostCSS/Autoprefixer and maintained consistent UI experience with Normalize CSS. Protected application routes for authenticated users using React Router and React Context API.

## **Technologies**

HTML, SASS, React JS, AJAX/Axios, Webpack 5, GitHub REST APIs.

## **Numbers Game Web Application (ReactJS) – 2021**

Developed a fun and challenging web application that tests your math skills using randomly generated numbers and fundamental math operations. The game offers four different levels to challenge yourself and improve your math abilities.

## **Responsibilities**

Designed a visually appealing user interface using HTML/JSX, React/JavaScript, and CSS/SASS. Incorporated user experience (UX) concepts to create a seamless and enjoyable gaming experience. Implemented modern sans-serif fonts and engaging web animations to enhance the application's design. Optimized image sizes using lossless compression techniques. Ensured web accessibility and search engine optimization (SEO) by utilizing HTML semantic elements. Resolved cross-browser compatibility issues with PostCSS/Autoprefixer. Maintained a consistent user experience across different browsers using Normalize CSS. Bundled the application files with Webpack 5, utilizing Babel for backward

compatibility with older browsers. Implemented a responsive design suitable for various devices, including large screens, tablets, and mobiles. Protected application routes for authenticated users using React Router.

### **Technologies**

HTML, SASS, React JS, Webpack 5.

### **Stocks Portfolios Manager Web App (Flask) – 2021**

Developed a dynamic web application based on CS50-finance. The application leverages the APIs of iexcloud.io to retrieve real-time stock prices. It provides registered users with the freedom to buy and sell shares, while also offering features such as stock price lookup and a comprehensive history system.

### **Responsibilities**

- Database: Designed and implemented the schema for the database.
- Authentication: Implemented the secure authentication system, allowing users to log in and log out.
- Stock Lookup: Developed the stock lookup system, utilizing the APIs of iexcloud.io to provide users with real-time stock prices.
- Buying and Selling: Implemented the buying and selling systems, enabling users to purchase available stock shares if they have sufficient funds and sell shares they own.
- History Tracking: Created a comprehensive history system to track all transactions, allowing users to review their buying and selling activities at any time.

### **Technologies**

HTML, CSS, Bootstrap, Python with Flask, SQLite with ORM SQLAlchemy, and web APIs from iexcloud.io.

### **Notes:**

- For more information and to explore the side projects in detail, please visit the respective GitHub repository pages. There, you will find live demos, screenshots (if available), instructions on running the projects locally, and more.
- Please note that occasionally, live demos may experience temporary unavailability or disruptions. This can occur due to high traffic or changes in the deployment process from the provider's end. If you encounter any issues with the live demos, we encourage you to refer back to the instructions for local deployment.

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## Languages

**Arabic** – Native | **English** – Advanced (writing, speaking)

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