Mahdi Al-Fakih

Front-End Web Engineer

Professional Summary

- Versatile and dynamic Front-End Developer with comprehensive experience across a broad range of domains, specializing in the latest front-end technologies. Committed to lifelong learning, I consistently hone my expertise, ensuring that my contributions are both contemporary and impactful.

Work History

5/2023 - Present

Front-end Web Developer

Company
- AEMS (2023 ~ Present)

Skills and Accomplishments

- Successfully developed and deployed intricate user interfaces using React and SCSS, addressing challenging requirements and enhancing user engagement.
- Created highly effective and reusable custom React hooks, streamlining component logic and promoting code reusability across projects.
- Implemented robust Redux patterns, significantly improving state management and application performance.
- Integrated socket.io effectively, enabling real-time features that enhanced user interaction and application responsiveness.
- Seamlessly integrated front-end systems with backend services, ensuring smooth and efficient application functionality.
- Developed innovative solutions to complex UI and logic challenges, demonstrating advanced problem-solving skills.
- Established a standard for code documentation, significantly improving code maintainability and team productivity.
- Designed efficient data structures for complex components, optimizing application performance and scalability.
- Integrated frontend applications with AI services and APIs, ensuring seamless communication between user interfaces and backend systems.

Contact

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Skills

Web development and design

Desktop application development.

Data security

Algorithm implementation

Game Development

Augmented Reality Development

IOS Development

Cyber Security

Technical Support

Languages

English

French

Arabic

12/2021 -
5/2023

Senior Front-end Web Developer

Company
- Semicolon Programming and Security (2021 ~ 2023)

Skills and Accomplishments

- Demonstrated proficiency in identifying and resolving complex software bugs, ensuring optimal functionality and user experience.
- Skilled in enhancing software performance, focusing on efficient, responsive, and scalable front-end solutions.
- Exceptional ability in diagnosing issues and implementing innovative solutions to improve software quality and performance.
- Made key contributions to the development strategy, leading to more streamlined and effective work processes.
- Offering guidance to junior developers, sharing expertise in software development and best practices.

12/2018 -
12/2021

Full-Stack Web Developer

Companies
- Semicolon Programming and Security (2018 ~ 2019)
- Eduba (2019 ~ 2021)

Skills and Accomplishments

- Coded websites using all of the top three front-end JS frameworks/libraries like React and Vuejs.
- Planned website development, converting mockups into usable web presence with HTML, CSS, JavaScript, AJAX and JSON coding from scratch.
- Designed numerous websites with top CSS frameworks like Bootstrap 4 and 5, Semantic-UI, Material-UI and Vuetify etc...
- Coded web servers using PHP, NodeJS and Python languages that builds a secure bridge between user interface and database.
- Built back-end databases using both MySQL and MongoDB.
- Built many Python scripts to automate tasks that results in working more efficiently.

Desktop Application Developer

Company

- Semicolon Programming and Security (2017 ~ 2018)

Skills and Accomplishments

- Worked with Electron JS and NodeJS to develop dynamic and interactive desktop applications with a focus on creating efficient and user-friendly solutions for windows/macOS/linux.
- Planned and Coded Avicinna Healthcare System Avicinna which is a comprehensive desktop application that streamlines the scheduling and management process for healthcare providers, offering features such as appointment scheduling, invoicing, patient history tracking, and demographic information management.
- Coded tools to help with development using Python and C++.
- Conducted many researches to find and test the best possible ways for encrypting and decrypting data and information related to the app.

Game Development

- Worked with Unreal Engine and C++ for about a year, doing various small solo projects.
Used Unity Engine with C# for 3 months reaching an intermediate level in this amazing and well designed engine.
Practiced Godot Engine with Python-like script and created small projects to master its simple and fast-forward services.
Game Development was an interesting and educative journey exploring different fields in coding and development.

Augmented Reality Development

- Worked with Unity Engine and Wikitude to develop multiple AR applications for both Android and IOS devices featuring 3D displaying, shadows, occlusion, logical interactions and various other implementations.

IOS Development

- Worked with Swift and Xcode for couple of months developing apps, games (using Apple's SpriteKit framework), and Safari Extensions for ios devices (iphone, ipad, ipod), while adjusting the layouts in both portrait and landscape mode.

Cyber Security

- Conducted many security researches and testings and participated in Google CTFs 2018 and 2019 and other known CTFs security competitions.

Education

2018 - Present

Bachelor of Science: Computer And Information Sciences

Lebanese University - Bint-Jbeil

Although I postponed completing my university degree, I leveraged the opportunity to gain valuable hands-on experience as a self-taught developer, starting my career during my first year of university.

Online Education Highlights:

- The Web Developer Bootcamp by Colt Steele
- The Ultimate MySQL Bootcamp: Go from SQL Beginner to Expert by Colt Steele
- JavaScript Algorithms and Data Structures Masterclass by Colt Steele
- The Modern Python 3 Bootcamp by Colt Steele
- The Advanced Web Developer Bootcamp by Colt Steele
- The Modern React Bootcamp (Hooks, Context, NextJS, Router) by Colt Steele
- The Bootstrap 4 Bootcamp by Colt Steele
- JavaScript: Understanding the Weird Parts by Anthony Alicea
- JavaScript: Understanding ES6 and Beyond by Anthony Alicea
- Learn and Understand AngularJS by Anthony Alicea
- Vue - The Complete Guide (incl. Router & Composition API) by Maximilian Schwarzmüller
- Docker & Kubernetes: The Practical Guide by Maximilian Schwarzmüller
- Binary Exploitation / Memory Corruption by LiveOverflow
- Complete C# Unity Game Developer 3D by GameDev.tv
- Unreal Engine 4 C++ Developer: Learn C++ & Make Video Games by GameDev.tv
- Complete Godot 3D: Develop Your Own 3D Games Using Godot 4 by GameDev.tv
- Master Electron: Desktop Apps with HTML, JavaScript & CSS by Ray Viljoen

More Info

- To view a comprehensive list of my projects, both individual and team-based, please visit my portfolio at https://mahdiaf.netlify.app/.