Ihab Awad

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ABOUT ME

Software engineer with experience in full-stack development using React, Angular, Laravel and Node.js framerworks. Focused on writing clean, maintainable code and delivering impactful solutions. Strong problem-solving skills with a solid foundation in data structures and algorithms.

EXPERIENCE

ITXI   Hybrid
Software Engineer   *September 2024 – Present*

- Developed responsive and feature-rich web applications for airports and airlines using Angular, enhancing user experience and operational efficiency.
- Created and optimized Node.js scripts to support pipelines, leveraging CI/CD tools such as Bitbucket Pipelines, and implemented WebSocket-based solutions for real-time chat functionality.
- Designed and deployed a SaaS product as a WordPress plugin using React.js and TypeScript, integrating Firestore for seamless CRUD operations.
- Integrated Firebase Realtime Database (RTDB) and RESTful APIs to ensure reliable data synchronization and system performance.
- Conducted unit testing and end-to-end (E2E) testing to guarantee code quality, reliability, and functional stability.
- Authored technical documentation to improve maintainability, and collaborated effectively with teams using Jira for agile workflows and Bitbucket for version control.

The Ark Networks   Hybrid
Software Engineer   *May 2024 – September 2024*

- Developed features for the Vibez tourism platform using React.js and Redux, building reusable components and custom hooks to streamline development and improve user experience.
- Implemented advanced filtering, optimized API integrations, and enhanced frontend performance for faster and smoother interactions.
- Gained hands-on experience in backend development, contributing to database and API design with Laravel, Flask, and MySQL.

InnoAlchemy   Remote
Web Developer   *Jan 2024 – April 2024*

- Collaborated with UI/UX designers to build visually engaging and responsive websites using React.js for frontend development and Laravel/PHP for backend implementation.
- Developed end-to-end web solutions, integrating user interfaces with backend systems in Laravel to ensure robust functionality, cross-platform compatibility, and seamless performance.

Murex   Beirut
Software Engineering Internship   *June 2023 – August 2023*

- Transformed NFR tests from Docker-Compose to Kubernetes and gained knowledge in both of the technologies.
- Implemented a new team use case while gaining proficiency in effective code testing.
- Wrote efficient python codes using OOP and learned the CI/CD tools.
- Acquired expertise in Jenkins, Docker, Kubernetes, Python, bash scripting, and Git, and enhanced backend development skills while gaining practical experience in agile team collaboration.

EDUCATION

Lebanese American University   Beirut
Bachelor of Science in Computer Science with Distinction   *August 2021 – May 2024*

PROJECTS

E-commerce Website | *Laravel, Inertia.js, React.js, MySQL*

- Built a pet shop e-commerce platform with Laravel and Inertia.js, featuring a SPA-like experience for customers and a full admin dashboard.
- Implemented product filtering, cart management, online checkout, and secure payment integration for customers.
- Implemented real-time chat functionality by integrating Pusher.js and Laravel Echo to broadcast messages seamlessly from the Laravel server to client sockets.

- Developed an admin panel for managing orders, products, categories, brands, and users with CRUD operations and role-based access.

Final Year Project | *C#, Unity, XR Toolkit, Python, Flask*
- Developed a Virtual Reality (VR) application using Unity and C# with the XR Toolkit and Python Flask for API endpoints, designed to help new students learn Python.
- Created two interactive environments: one for hands-on experience where users can construct, compile, and execute Python code by dragging and dropping Python snippet objects, and another for theoretical learning with trivia games and a scoring system to enhance Python language comprehension.

Inventory Management App | *Node js, Express js , MongoDB, React, Redux Toolkit, Cloudinary API*
- The Inventory Management React App efficiently organizes products with a well-structured MVC pattern, utilizing Redux Toolkit and a custom Express Restful API to enhance maintainability and scalability.
- Users can manage their inventory, including product editing, profile customization, and seamless image uploads through integration with the Cloudinary API, all accessible via an intuitive user interface. It also includes a secure JWT authentication system from sign-up/login all the way to recovering passwords.

ACHIEVEMENTS

- 4th place in LCPC 2022 and competing in various Programming Competitions locally and worldwide.
- 1000+ coding problems solved on platforms like LeetCode, Codeforces and AtCoder gaining a huge foundation in Algorithms and Data Structures.
- First student among the 2024 graduates and at the Beirut campus to develop a fully implemented Virtual Reality project for the capstone.

TECHNICAL SKILLS

Languages: C/C++, Java, Python, SQL (Oracle, MySql), JavaScript, HTML/CSS, MongoDB
Frameworks: React, Angular, Node, Express, Nest, Laravel, ReactNative
Cloud Technologies: AWS Cloud
Developer Tools: Git, Jenkins, Docker, Kubernetes, Visual Studio Code, IntelliJ, Eclipse