Ihab Awad

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PROFESSIONAL SUMMARY

Software engineer with about 3 years of hands-on experience building full-stack applications using React, Angular, Laravel, and Node.js. Experienced in designing backend architectures, integrating APIs, and delivering performant frontends. Strong foundation in data structures and algorithms, with practical exposure to CI/CD pipelines, cloud services (AWS/Azure), containerization, and modern development best practices.

EXPERIENCE

ITXI — Hybrid
Software Engineer — September 2024 – Present

- Developed responsive, production-ready Angular applications for airport and airline operations, improving UI performance and usability for over 100 daily users through close collaboration with product and design teams.
- Built and optimized Node.js automation scripts and CI/CD pipelines (Bitbucket Pipelines), reducing deployment and build time by 40% through strong problem-solving and workflow analysis.
- Implemented a SaaS WordPress plugin using React.js and TypeScript that automated website crawling, link management, and metadata updates—cutting manual work by over 60%.
- Integrated Firebase RTDB and REST APIs, achieving real-time updates with latency under 150ms across all connected kiosk terminals, demonstrating attention to reliability and performance.
- Implemented unit and E2E tests, reducing regression issues by more than 35% across multiple releases while ensuring code quality and maintainability.
- Authored internal documentation and improved team workflows, increasing onboarding speed for new developers by 20% through clear communication and knowledge sharing.

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

- Developed scalable React.js components and custom hooks for the Vibez tourism platform, reducing frontend development time by 25% and improving team productivity through reusable architecture.
- Improved API integrations and implemented advanced filtering and caching, decreasing page load times by 30% and enhancing user experience across all devices.
- Contributed to backend development using Laravel, Flask, and MySQL, helping reduce API response times by 20% while collaborating closely with cross-functional teams.

InnoAlchemy — Remote
Software Engineer — Jan 2024 – April 2024

- Developed responsive websites in React.js and Laravel, delivering complete end-to-end solutions from UI integration to backend logic with a strong focus on client communication and requirements.
- Ensured high performance and cross-platform compatibility by optimizing backend queries, improving load times, and reducing frontend errors through proactive debugging and ownership of delivery.

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

- Migrated non-functional requirement (NFR) testing from Docker-Compose to Kubernetes, improving the scalability and reliability of test environments through close collaboration with my supervisor.
- Implemented a new internal use-case to verify message ordering between pods, demonstrating adaptability and strong problem-solving skills in a fast-paced environment.
- Developed optimized Python modules using OOP principles and contributed to CI/CD automation efforts, showcasing analytical thinking and attention to detail.
- Gained hands-on experience with Jenkins, Docker, Kubernetes, Python, Bash scripting, and backend development within an agile team, strengthening communication and technical proficiency.

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, MSSQL), JavaScript, HTML/CSS, NoSQL(MongoDB)
Frameworks: React, Angular, Node, Express, Nest, Laravel, ReactNative, .Net
Cloud Technologies: AWS, Azure
Developer Tools: Git, Jenkins, Docker, Kubernetes, Jira, Visual Studio Code, IntelliJ, Eclipse