

Mohammad Yazbeck

SOFTWARE ENGINEER

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Summary

Enthusiastic and adaptable Software Engineer with a strong foundation in full-stack development, algorithmic problem-solving, and system analysis. Skilled in React, Tailwind CSS, Express.js, Flutter, Supabase, and Next.js with expertise in both front-end and back-end technologies. Solid understanding of machine learning, artificial intelligence, networking protocols, and key algorithms. Experienced in building scalable, high-performance solutions and optimizing user experience. Fluent in Arabic and English, eager to contribute technical expertise in dynamic environments.


Education

Arab International University

October 2018 – March 2024 | GPA: 73% (Equivalent to 2.65/4.0)

Bachelor's in Software Engineering (ICT Engineering Faculty)

Project Experience






- **Digicom – Request Management Solution (Full-Stack Developer)**
 - Admin Dashboard: Developed with React and Tailwind CSS, facilitating real-time request management (accept/decline, photo downloads, Excel export). Notifications implemented via FCM for real-time alerts (foreground and background via service worker).
 - Client App: Built with React Native (Expo) for users to submit requests with photos, track status, and receive FCM notifications on status changes.
 - Backend: Implemented with Express.js, PostgreSQL, and Prisma, leveraging JWT authentication and Multer for file uploads. Notifications managed with FCM Admin.
 - Deployment: Initially deployed to Render, with planned migration to DigitalOcean for enhanced scalability.
 - Impact: Automated the request handling process, reducing manual intervention by 60% and improving operational efficiency.
- **A-Gadget – Modern Web Application (Full-Stack Developer)  Demo**
 - Developed a responsive web app using React, Vite, and Tailwind CSS.
 - Integrated Supabase for user authentication and database management
 - Optimized data fetching with React Query and managed state with Redux Toolkit.
 - Deployed the app to GitHub Pages, ensuring smooth and efficient performance.
 - Implemented real-time notifications using react-hot-toast and react-loader-spinner for loading states.
- **GymenAi – Gym Management System (Front-End Developer, System Analyst)**
 - Led front-end development using React, Tailwind CSS, and TypeScript. Managed state using Context API and Axios.
 - Developed key system diagrams (Use Case, Block Diagram, ERD, Data Flow) to support system analysis and design.
 - Delivered a user-friendly interface and ensured efficient back-end integration.
- **Gained hands-on experience through multiple coursework projects.**
 - Become familiar with Styled Components and CSS Modules.
 - Proficient in Redux with Thunks and React Query.

- Gained familiarity with Supabase for backend services.
- I learned and implemented optimization techniques and advanced React development patterns.
- **DigiCard – Digital Business Card Application (Front-End Developer, System Analyst)**
 - Developed the front-end using Flutter and GetX for state management, implementing features like QR code scanning and NFC read/write.
 - Overcame integration challenges, resulting in a smooth user experience.
 - Created comprehensive system diagrams, supporting overall system architecture.

Skills & Abilities

- **Technical Skills**
 - Full-Stack Development: Next.js React, React Native (Expo), Tailwind CSS, Flutter
 - State Management: Redux (with Thunks), React Query, Context API, GetX
 - Back-End: Express.js, Axios, Supabase, Prisma, REST APIs
 - Languages: JavaScript, TypeScript, Python, C#, C++
 - Database: PostgreSQL, SQL
 - Authentication: JWT Authentication, Multer (File Uploads), FCM (Notification)
 - Version Control: Git, GitHub
- **Core Competencies**
 - Software Engineering Methodologies: Agile, Waterfall
 - System Analysis & Design: Experience with UML diagrams, System Architecture, and Project Management
 - Artificial Intelligence & Machine Learning: Exposure to AI/ML algorithms, Neural Networks, Data Mining, Business Intelligence
 - Networking & Systems: Basic understanding of TCP/IP, OSI Model, subnetting, and network protocols
 - Web & Mobile Development: Proficient in building responsive web apps and mobile apps with React, React Native, and Next.js
 - Problem-Solving & Debugging: Strong in identifying and resolving issues in both front-end and back-end systems.

Professional Development (Courses)

- CSS - The Complete Guide 2022 (incl. Flexbox, Grid & Sass) - **Maximilian Schwarzmuller** 
- Modern JavaScript (Complete guide, from Novice to Ninja) - **Shaun Pelling** 
- Learn React by - **Bob Ziroll** 
- Next.js 15 & React - The Complete Guide - **Maximilian Schwarzmuller** 
- The Ultimate React Course 2024: React, Redux & More - **Jonas Schmedtmann** 
- Flutter - **Self-Taught via Documentation.**
- Expo (React Native) - **Self-Taught via Documentation.**

Additional Information

- **Languages:** Fluent in **Arabic**, advanced proficiency in **English**
- **Mindfulness:** Committed to delivering high-quality, bug-free code through meticulous testing and reviews
- **Collaborative:** Effective team player, skilled at working in collaborative environments
- **Adaptive:** Quick to learn new technologies and methodologies, ensuring improvement in development skills



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