JAD AL WAZZAN

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Dubai, United Arab Emirates

WEB DEVELOPER

Seasoned web developer with 5+ years of full-stack experience and a background in high-pressure healthcare environments. Expertise in crafting responsive, high-performance web applications, optimizing database performance, and integrating cloud solutions. Proven track record of improving user engagement and operational efficiency through data-driven web architectures and agile delivery.

SKILLS

HTML, CSS, JavaScript	SQL & Database Optimization	Cloud Technologies (AWS: Lambda, S3, RDS)
Frontend Development	API Development & Integration	
Backend Development (Java, Spring Boot, Flask)	Web Application Development	Agile Software Development
		Troubleshooting & Debugging

PROFESSIONAL EXPERIENCE

Software Engineer (Mobile & Backend)   **July 2025 - Present**

- Engineered a full-stack mobile application using Flutter with a secure, scalable PostgreSQL and backend hosted on Google Cloud Platform and Firebase for authentication.
- Designed and implemented modular service architecture, token-based authentication, and role-based access control (RBAC) for enhanced security.
- Integrated CI/CD pipelines via GitHub Actions for automated testing and deployment.
- Utilized Docker for containerized environments and optimized SQL queries for performance.
- Emphasized data integrity, secure API design, and fault-tolerant transactions between wallets and user actions.
- Implemented smart transaction and wallet logic ensuring atomic consistency for credit-based exchanges.
- Integrated backend APIs using TypeScript with strict validation, transaction locking, and escrow handling logic.

GuidED - Medical Guide Web Application | Dubai, UAE   **August 2025 - Present**

- Engineered a full-stack web application (Next.js, TypeScript, Firebase, Vercel) providing medical professionals instant access to emergency guides (PDFs & interactive flowcharts), featuring server-side rendering (SSR) for optimal performance and SEO.
- Developed a secure, role-based admin panel (Firebase Auth, Firestore Rules) with full CRUD capabilities for guide management.
- Leveraged Firebase (Auth, Firestore, Storage) and Next.js API Routes for secure backend services, including data storage, user authentication, and role management.
- Designed and implemented a secure Role-Based Access Control (RBAC) system with Admin, Publisher, and Editor roles, utilizing Firebase Custom Claims and protected API routes.
- Implemented an advanced interactive flowchart editor (React Flow) featuring rich text editing (TipTap), auto-layout (Dagre), grid snapping, undo/redo, and live preview capabilities.

Web Developer | Freelancer   **February 2023 - Present**

- Engineered several client websites using HTML, CSS, and JavaScript, resulting in an increase in client engagement.
- Optimized SQL database queries to reduce backend data retrieval times, enhancing user experience.
- Facilitated continuous client communication, ensuring project alignment and satisfaction through regular updates and feedback sessions.
- Engineered a data manipulation website for a client using Flask and API integration, enabling efficient CSV data cleaning and result fetching, leading to an increase in operational efficiency and time savings.
- Developed a Discord bot utilizing Discord API and Google API to read messages, validate them, and export to a specific spreadsheet, resulting in an increase in task efficiency .

Full Stack Developer | Revature Remote   **July 2022 - December 2022**

- Developed scalable web applications using Java, Spring Boot, React.js, and SQL, enhancing codebase maintainability and reducing bugs.
- Implemented agile practices including sprint planning, increasing team productivity and project delivery speed.
- Collaborated in pair programming sessions to rapidly prototype and debug code, decreasing bug resolution time.

Registered Nurse, Emergency Department | Lebanese American   **May 2018 - May 2020**
University Medical Center | Beirut

- Orchestrated high-quality care in a high-volume trauma center, reducing patient stays.
- Led a nursing team to deliver recovery-focused care, improving patient recovery.
- Audited patient charts and collaborated with physicians to coordinate effective treatment plans, and enhancing patient outcomes.

Emergency Room Clerk | American University of Beirut Medical   **March 2011 - July 2015**
Center | Beirut

- Managed electronic health records software and database systems, ensuring accurate and timely patient data management.
- Performed front office duties, utilizing data entry skills to maintain accurate medical records and improve office efficiency.
- Received and efficiently routed laboratory results to clinical staff, reducing processing time.

EDUCATION

Cloud Application Developer | AWS Cloud Institute   **2025**

AWS Cloud knowledge and hands-on skills to develop, deploy, monitor, and maintain cloud applications at scale on AWS.

Bachelor of Science | University of the People, Pasadena   **2024**

Computer Science

Bachelor of Science | Lebanese Red Cross University, Baabda   **2018**

Nursing

Bachelor of Science | Lebanese American University, Beirut   **2014**

Computer Science

PROFESSIONAL DEVELOPMENT

Dubai AI Festival | Dubai, UAE   **April 2025**

Attended 2-day conference focusing on the latest advancements in artificial intelligence, including machine learning, deep learning, and natural language processing.

Dubai AI Week | Dubai, UAE   **April 2025**

Attended the Dubai AI week conference focusing on the latest advancements in artificial intelligence, including workshops in deep learning, natural language processing and prompt engineering.

CERTIFICATION

AWS Developer Certification | Amazon Web Services   **Present**

AWS Cloud Practitioner Certification | Amazon Web Services   **March 2025**

Google IT Support Professional Certification | Google on Coursera   **September 2023**

IBM Cybersecurity Analyst Professional Certification | Google on Coursera   **May 2022**

Google Data Analysis Professional Certification | Google on Coursera   **April 2021**