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Jaafar Al Rifai

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Full-Stack Engineer & AI Developer specializing in building scalable applications with integrated machine learning solutions, optimizing system performance, and creating intelligent user experiences.

Work Experience

Web Developer	Al Hayat Toys Baalback, Lebanon	2022-2024
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- Payments team
- Designed and launched a high-performance e-commerce platform using React, Node.js, and MongoDB, leading to a 30% increase in user engagement.
 - Enhanced front-end performance by reducing load times by 40% through server-side rendering (SSR), lazy loading, and strategic code splitting.
 - Built a robust and scalable back-end architecture with Express and GraphQL, enabling real-time inventory management.
 - Implemented secure authentication workflows using JWT and OAuth2, and integrated third-party services including Stripe for payments and AWS S3 for asset storage.

Software Developer Intern	The Lebanese Organization for Studies and Training Baalback, Lebanon	Summer 2021
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- Developed and optimized internal web tools, enhancing operational efficiency.
- Assisted in database management and API integrations, improving data accessibility.
- Collaborated with teams to enhance platform security and user experience.

Technologies and Languages

- AI & ML:** Machine Learning, Deep Learning, LLMs, Generative AI, NLP
- Programming Languages:** Java, JavaScript (ES6+), TypeScript, PHP, Python
- Frontend Technologies:** React, React Native, HTML5, CSS3, Bootstrap, jQuery
- Backend Technologies:** Node.js, Express, Laravel, REST APIs, GraphQL, WebSockets
- Databases:** PostgreSQL, MySQL, MongoDB
- Version Control & Collaboration:** Git, GitHub, Agile/Scrum
- Security & Authentication:** JWT, OAuth2

Education and Certifications

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| • B.Sc. Computer Science, University of Cnam, France. | 2022–2024 |
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Projects and Volunteer Work

- [AI Project](#) – Developed solutions in machine learning, deep learning, large language models (LLMs), and generative AI, with applications in data analysis, NLP, and predictive analytics.
- [NeoFeed](#) – Created a modern social media dashboard with real-time analytics, interactive posts, and responsive light/dark mode UI. Built using HTML5, CSS3, and JavaScript with smooth animations and dynamic notifications.
- [Verveum](#) – Developed an immersive virtual museum platform featuring interactive 3D galleries, audio guides, and educational timelines. Built with Three.js, HTML5, CSS3, and JavaScript for a rich cross-device experience.
- [TechStore](#) – Developed a high-performance e-commerce platform for tech products, integrating secure authentication, an advanced admin panel, and a seamless user experience. Built with Node.js, PostgreSQL, and Bootstrap to enhance scalability and security.
- [LED Zone](#) – Built a dynamic website showcasing LED products with real-time updates through API integrations. Utilized HTML, CSS, PHP, and JavaScript to deliver an interactive and responsive experience.
- [SnapVista](#) – Developed a mobile application for capturing and sharing high-quality photos, integrating real-time API data to deliver dynamic content and a seamless user experience. Built with React Native and RESTful APIs, the app ensures fast, responsive, and secure interactions across iOS and Android platforms.

Other Sections

Certifications and Courses :

- **Machine Learning, Deep Learning, LLM & Generative AI** – zakker.ai, 2025
- **Master Node.js & Deno.js** – Udemy, 2024
- **React - The Complete Guide (incl. Hooks, React Router, Redux)** – Udemy, 2024
- **React Native - The Complete Guide** – Udemy, 2024
- **Management Leadership Skills** – Certified, 2023
- **Mobile Application and Technology** – Certified, 2023
- **CCNA7: ITN Cisco** – Certified, 2022
- **Python Programming Course** – Udemy, 2022

Interests

- Passionate about software architecture, system scalability, and cutting-edge technologies. Enthusiastic about problem-solving, optimizing performance, and building impactful digital solutions. Committed to continuous learning, staying ahead of industry trends, and exploring innovative approaches to development.