

Juliano Jawad Gharzeddine

Software Engineer

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With over two years of professional experience in Software Engineering, I excel in delivering scalable, well-documented code both collaboratively and independently. My expertise spans a broad spectrum of frontend and backend technologies, enabling me to achieve outstanding results in diverse projects, including web development, backend infrastructure, automation and mobile applications. My goal is to leverage my comprehensive skill set to drive innovative projects and deliver exceptional results. I am eager to continue learning new skills to further enhance my expertise in a dynamic and challenging environment and plan on pursuing a Master's Degree in *Artificial Intelligence*.

PROFESSIONAL EXPERIENCE

Solution Engineer - LACECO, Lebanon

April 2024 – Present

- Built a web-based intranet portal to digitalize the company's internal processes using NextJS v14
- Built a comprehensive HR portal to streamline and centralize all HR operations
- Built a modern Project Management portal for planning administrators and project managers to effectively plan and track progress of company projects
- Built a sophisticated Project Financing Portal which enables the finance department to effectively and intuitively manage and forecast company expenses and revenue
- Built an integrated employee attendance system to track employee attendance in accordance to each assigned project

Software Engineer – International Software Solutions, Lebanon

September 2022 – April 2024 (Full Time)

April 2024 – Present (Part Time)

- Developed efficient and optimized data migration solutions in C#
- Developed SAP & Salesforce connectors for third-party app integration
- Developed Business Process Automation systems automating redundant enterprise operations
- Developed disaster recovery bots using Python and Nintex KRYON RPA
- Developed WebView applications using Java & Flutter
- Integrated automation systems into responsive Progressive Web Applications (PWAs)
- Developed web interfaces and intranet portals using NextJS v14 and ASP.NET C#
- Developed SharePoint web parts using ASP.NET C#
- Developed custom themes for new and existing apps using TailwindCSS & Bootstrap
- Optimized existing APIs' latency by a factor of 1.7 using PHP & NodeJS
- Integrated Nintex K2 Forms , Qlik & PowerBI reports into extranet portals
- Optimized SQL queries by implementing caching & indexing to improve application performance
- Mentored web development and process automation interns

Branch Supervisor - Diet Delights Nutrition Center, Lebanon

June 2019 - June 2022

- Managed customer meal plan subscriptions

- Managed schedules according to projection hours
- Managed product inventories and sales reports
- Ensured customer satisfaction and timely deliveries
- Boosted branch sales by 35% (by mid-2022) with approximately 200 new long-term customers

Crew Trainer - Floor Manager – McDonald's, Lebanon

June 2016 – June 2018

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- Ensured accurate customer service and handled complaints
 - Managed product inventory
 - Mentored and trained new recruits

SKILLS

Frontend:

- HTML & CSS, Tailwind/Bootstrap,
- ReactJS , ES6 JavaScript, jQuery, ASP.NET
- Flutter and Android Studio

Backend:

- NextJS v13 & v14, NodeJS, ExpressJS, PHP (with basic Laravel 11 knowledge), MySQL, MSSQL Server, PL SQL
- Java (including design patterns), C#
- Python
- SharePoint Development, Power Automate Platform, Nintex Automation Platform, K2 Automation Platform

EDUCATION

Bachelor's Degree In Software Engineering

Graduated September 2022

Le CNAM / Lebanese University - Lebanon

Final Project

- Developed an e-commerce website for the family's organic product business consisting of a client portal for browsing products and an integrated back-office for product management with reporting functionality for sales and online orders tracking.

PROJECTS

1. LaceConnect Intranet Portal

This project aimed to automate and digitalize Project Management, Attendance and Finance processes within **LACECO**. It leveraged NextJS and streamlined all HR operations (such as employee and leaves management), Project Management operations (such as project creation and timesheet estimations), and Finance operations (such as managing cost and revenue for each individual project). Deployment sheets were developed which allowed the planning administrator to project the employee weekly work hours for individual project phases. And engineers/architects working on the project had the option to fill timesheets to detail their

involvement in each phase. These work hours were then approved by their respective Head of Department and would later be used in various reports such as Variance Calculation and Capacity Forecasting.

2. **Water Desalination Website** (ReactJS and NodeJS)

As part of this project, I developed an informative dynamic website for a renowned Saudi Arabian company. This project highlighted the company's vision, achievements and showcased available services. It was also developed with back-office functionality allowing authorized personnel to add prominent announcements, news and other relevant information to be disclosed to the site's visitors.

3. **Water Desalination Internal Portal** (ReactJS, NodeJS and Nintex K2)

As part of this project which consisted of fully automating and digitalizing 12 internal processes. I was responsible for the following:

- Developing a modern and user-friendly portal, which centralizes the access to all company internal processes.
- Developing 5 fully automated processes, most notably Lawsuit Management and Contract Management.

The portal was built on top of the Nintex K2 platform, combined with the versatility and fluidity of ReactJS for a seamless and responsive interface and NodeJS as a reliable and scalable backend engine. Each user was assigned a predefined clearance level thanks to which he/she had access to the processes they are entitled to use or initiate.

The Lawsuit and Contract management forms were built with the same technology stack and allowed authorized users to initiate a lawsuit in accordance with the Saudi Government's Ministry of Justice's guidelines.

4. **Recruitment System** (Nintex K2)

This system was developed for a GITEX exhibition for the *International Software Solutions (ISS)* 's subsidiary in Dubai and leveraged Nintex K2. In this project, I was in charge of developing the complete recruitment process. Authorized users within any company could create a new vacancy along with the required qualifications and job description, and subsequently, the vacancy would be automatically posted to the company's LinkedIn profile with a job reference number.

After applicants sent out their CVs by email with the corresponding job reference number, I developed a basic Python bot that intercepted all applications with said reference number and automatically filtered out unqualified applicants.

Applicants who met the job requirements were automatically saved and their personal info extracted from their attached CVs. Then, the HR Coordinator would further filter these applicants and send out Microsoft Teams invitations to schedule an interview for selected candidates. Following the interview, a screening and evaluation process was developed, and candidates who made it through would receive automated job offers which they could sign online using secure e-signature.

5. **Data Migration Solution** (C#)

This project aimed to migrate an average of 9 million records for a well renowned bank in Saudi Arabia from SharePoint to SQL. Due to the large number of records, the portal was encountering considerable performance issues. To remedy this problem, I developed a C# application that fetched the data from SharePoint, dynamically recreated its structure as an SQL table and inserted old and stale data as records, allowing them to be deleted from SharePoint. The application ran for 3 consecutive days and yielded no errors.

6. **Car Spare Parts and Repair Internal Portal** (NextJS)

In this freelance project, the goal was to digitalize the spare part sales and repair tracking. It leveraged the NextJS framework and allowed the users to issue invoices for sales or repairs and enroll new customers with their personal information. The repair could include a cost estimate, which had a dedicated interface capable of replacing the primitive data entry experience (such as Excel Sheets) in a faster and more efficient approach. Invoices could be printed directly, or sent as PDF to the client's number over WhatsApp. Repair statuses could also be tracked and managed from within the portal, with clients receiving automated emails when their car repair was completed. The portal also included a reporting section for tracking the financials and history for individual clients.

CERTIFICATIONS

- Nintex Certified Server Administrator
- Nintex Certified Automation Developer

LANGUAGES

- **English** - *Fluent*
 - **French** - *Fluent*
 - **Arabic** - *Fluent*
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