

Charbel Maroun

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SOFTWARE DEVELOPER

Software developer with expertise in JavaScript and Python, dedicated to building intuitive and user-centered applications. Skilled in integrating and managing APIs to streamline workflows and enhance functionality. Strong knowledge of databases, ensuring efficient data storage, retrieval, and optimization. With a background in psychology, I bring a unique perspective to problem-solving, enhancing user engagement through thoughtful design and functionality.

TECHNICAL SKILLS

Languages: Javascript, HTML, CSS, Ruby, MS Dynamics 365, PowerShell, Python, SQL | **Frameworks/Libraries:** React, React-Native, Ruby on Rails | **Developer Tools:** Git, Visual Studio Code, Postman, Figma, AWS

TECHNICAL PROJECTS

LiChessDex - <https://github.com/charbel-maroun/lichessdex-deployed> | <https://lichessdex.web.app/> | [Video Demo](#)

Architected a single-page app as a comprehensive database for LiChess.org players, leaderboards, and tournaments.

- Developed a dynamic search feature utilizing API calls to fetch player data by username and display user history.
- Incorporated API-driven game saving and notation capabilities, enabling users to annotate and review matches.
- Implemented real-time updates through efficient API polling to track ongoing tournaments, rounds, and live games, boosting user interaction.

GymBud - <https://github.com/charbel-maroun/gym-bud> | <https://gym-bud.onrender.com/> | [Video Demo](#)

Rails-React App enables users to create, share, and view community workouts, accompanied by exercise video demonstrations.

- Implemented user authentication to allow individualized user profiles, workout creation, and exercise tracking.
- Leveraged Active Storage in Rails for efficient file management, AWS S3 for robust storage, and react-grid-dnd for interactive UI layouts.
- Enhanced the user experience through smooth animations using Framer Motion and Material-UI for a consistent and appealing UI design.

EXPERIENCE

DynaCare, Montreal, Canada | Sample Processing Technician 03/2024-06/2025

- Conduct in-depth investigations of data inconsistencies related to patient records and lab results.
- Contact clients and healthcare providers directly to verify and correct critical data discrepancies.
- Update and maintain large datasets using Excel and internal Laboratory Information Systems (LIS), ensuring accurate and timely reporting. Acted as a liaison between the lab, customer service, and sample processing teams to address and resolve issues promptly.
- Collaborate with lab and support teams to streamline data workflows and uphold quality standards.
- Document all corrections and communications in accordance with SOPs and regulatory compliance standards.
- Supported transition to new data auditing procedures, improving issue resolution time and traceability.

English Montreal School Board, Montreal, Canada | Behavioral Interventionist 12/2017-08/2023

- Monitored, recorded, and documented behavioral patterns of students with Autism Spectrum Disorder (ASD) using standardized forms and daily logs.
- Administered structured assessments and interventions in alignment with individualized education plans (IEPs).
- Followed clinical documentation protocols to support consistency in reporting across teams.
- Coordinated closely with teachers, therapists, and school psychologists to implement behavior management strategies

EDUCATION

Flatiron School, New York, NY | Full Stack Web Development 10/2023

University of Balamand, Koura, Lebanon | Bachelor of Arts in Psychology 06/2014