Marko Ljuboja

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EDUCATION

DePaul University, Chicago, IL   August 2022 - November 2025
BS in Computer Science, Software Development Concentration, Spanish Minor
Graduated Cum Laude, GPA 3.69
Relevant Coursework: Data Structures, Algorithms, Object-Oriented Software Development, Software Engineering

SKILLS

- **Programming Languages:** Swift, Python, Java, JavaScript, C, C++, SQL, HTML/CSS
- **Frameworks & Libraries:** SwiftUI, UIKit, React, React Native, Node.js, Flask
- **Tools & Technologies:** Git, Xcode, SQLite, Docker, REST APIs, Vercel, Google Cloud, Stripe

EXPERIENCE

All Meal Prep, Chicago, IL   December 2025
Software Engineer (Contract)

- Developed a React Native mobile ordering app integrated with a production backend for an established high-volume meal prep delivery business.
- Built and stabilized core mobile commerce flows including menu browsing, cart management, checkout, user profiles, and order tracking.
- Debugged and improved Stripe checkout behavior, resolving issues where completed orders failed to clear carts or appear in order history.
- Collaborated closely with a backend developer to integrate REST APIs across authentication, payments, and order lifecycle systems.
- Delivered production-grade, pre-launch features as part of a 3-person development team.

PROJECTS

Serbian-English Dictionary - 5.0★ on App Store | *SwiftUI, SQLite*

- Built and shipped a full-stack iOS dictionary app using SwiftUI, featuring bidirectional translation, dual script support (Cyrillic/Latin), and near-instant full-text search in an SQLite database.
- Designed custom UI components and a Word-of-the-Day iOS widget for daily engagement.

Refolio – AI Portfolio Generator | *Next.js, Supabase, Vercel, Stripe, Cloudflare, OpenAI*

- Built and launched a full-stack Next.js application that converts uploaded resumes into editable, hosted portfolio sites with live preview and automated publishing in under 60 seconds.
- Implemented authentication, Stripe subscription billing, and site lifecycle management, storing generated assets in Supabase and serving published portfolio sites via Cloudflare with custom subdomain routing.

Stem Player iOS Application | *Swift, Flask, Demucs*

- Built an iOS app that separates songs into 4 isolated tracks (vocals, drums, bass, other) with independent volume control and real-time playback controls.
- Architected a Flask microservice using Demucs for background audio processing, achieving near-real-time processing (3-min song in ~4.5 min).

Northern Trust Hackathon Project - 3rd Place | *React, Python*

- Built a forex trading platform with a group using React and Python during a 24-hour competition, integrating real-time currency conversion, portfolio tracking, and predictive analytics.
- Implemented LSTM-based model to forecast currency exchange rate trends, visualizing predictions with Chart.js alongside live API data for trade analysis.

ACTIVITIES

- President of **DePaul Serbian Cultural Club**   January 2024 – November 2025
- Member of **DePaul Computer Science Society**   October 2022 – November 2025