

RAMSES SANCHEZ

SOFTWARE ENGINEER

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EXPERIENCE

SOFTWARE ENGINEER INTERN | WESUAP

Feb 2026 - Jun 2026

- Supported a client that recorded a **143% increase in bookings** by designing Typeform intake workflows that matched businesses with content creators and fed performance tracking into the platform.
- Shipped production React/TypeScript features for a startup serving about **10 businesses** and **10-15 content creators**, including dashboard views, responsive CTAs, customer-facing metrics, and redesigned navigation and footer components.
- Built dynamic pricing logic and admin tooling for account permissions, account-status controls, activity monitoring, and traffic visibility to support pricing and infrastructure decisions.

SOFTWARE ENGINEER INTERN | MIXED REALITY CANE APP

Jan 2025 - Jun 2025

- Expanded app-wide localization from **1 to 7 languages** by integrating Google Translate and Text-to-Speech APIs into a Unity/C# accessibility application.
- Replaced large pre-stored JSON translation sets with on-demand API calls, reducing memory overhead while preserving translated UI and spoken accessibility feedback throughout the app.
- Led multilingual QA with **4 language validators** and tested features across Android and iOS/TestFlight within a project team of about **60 contributors**.

IT SUPPORT ENGINEER | SUPERMARKETING LLC

Nov 2022 - Mar 2025

- Supported about **73 supermarket locations** and resolved roughly **12 tickets per week** across networking, software, hardware, connectivity, and in-store audio/AV systems.
- Used remote access for initial diagnosis, then rebuilt or replaced failed systems, reinstalled software, repaired cabling, and restored store technology on site when required.

SELECTED PROJECTS

LOCAL BEATS | NYC Tech Talent Pipeline

- Owned the interactive Google Maps/geolocation experience for a **4-person team**, centering the product on NYC's **five boroughs** and testing the deployed experience with about **15 users**.
- Integrated **Auth0** and **Spotify OAuth/API** to show a friend's current track, artist, album art, and profile details from map avatars, with options to save songs or continue to Spotify.
- Tuned location and Spotify polling to about **10-second intervals** after hitting API request limits, preserving near-real-time updates while reducing excessive requests; deployed on **Vercel**.

SAFE CIRCLE | Hack Knight

- Built a **geofence-based** caregiver prototype for families supporting people with dementia or autism, alerting caregivers when a user left a defined safe circle and using **AI-assisted guidance** to help the user reconnect or return safely.
- Integrated **Google OAuth** and third-party services to support secure sign-in, map-based safety workflows, and caregiver-to-user assistance.

TECHNICAL SKILLS

Core: JavaScript, TypeScript, React.js, React Native, Node.js, Express.js, PostgreSQL, MongoDB, C#, C++, Unity, REST APIs, Git/GitHub, Auth0, Google Maps API, Spotify API, Google Translate API, Vercel, TestFlight

AI-assisted development: Claude Code, OpenAI Codex, ChatGPT

EDUCATION

JOHN JAY COLLEGE OF CRIMINAL JUSTICE - B.S. Computer Science

Expected Dec 2026

BOROUGH OF MANHATTAN COMMUNITY COLLEGE - A.S. Computer Science