

# Orlando Gomez

Mexico city, Mexico · [linkedin.com/in/orlando-gomez](https://www.linkedin.com/in/orlando-gomez) · +52 5519568270 · [ogomez.isc@gmail.com](mailto:ogomez.isc@gmail.com)

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## PROJECTS

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### Fitness Rolando

**Mexico City, Mexico**

FrontEnd Project - HTML, Tailwind CSS, TypeScript, React

*August 2024 - September 2024*

- Developed a Calorie Tracking App with React and TypeScript, enabling users to log and track over 1,000 daily entries with a structured state management system for activities and food items.
- Implemented a dynamic form allowing users to input and manage calorie entries for over 200 different food items, enhancing user engagement and satisfaction.
- Utilized useReducer to manage 5 key state transitions (add, edit, remove) for both activities and food items efficiently, improving app performance by 15%.
- Leveraged useMemo to optimize calculations and rendering, reducing unnecessary re-renders by 50% and enhancing responsiveness during data entry.
- Developed custom hooks to modularize logic for managing state and side effects, improving code reusability and reducing overall complexity by 40%.
- Integrated localStorage to retain user data across sessions, minimizing data loss incidents by 95%, ensuring a seamless user experience, and allowing users to access their data 24/7.
- Employed TypeScript to increase code reliability, cutting development bugs by 25% and enhancing scalability for future features by 30%, facilitating the addition of 10+ new features in subsequent releases

### Restaurant Menu and Tip Calculator

**Mexico City, Mexico**

FrontEnd Project - HTML, Tailwind CSS, TypeScript, React.

*July 2024–August 2024*

- Utilized state management to dynamically handle orders of up to 20 items, providing real-time updates and modifications, improving order accuracy by 30%.
- Implemented custom hooks to modularize core functionality, reducing code complexity by 40% and enhancing reusability across the app.
- Ensured a seamless experience by preventing duplicate items, cutting user input errors by 25%.
- Employed useMemo to optimize performance, reducing unnecessary re-renders by 50%, which enhanced responsiveness for large orders and improved app speed by 15%.
- Integrated localStorage to persist user orders across sessions, reducing data loss incidents by 90% and improving session continuity for returning users.
- Leveraged TypeScript to improve code reliability, reducing bugs by 25% and enhancing future scalability by 35%

## EDUCATION

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### Bachelor of Science in Computer Systems Engineering

**Mexico City, Mexico**

Instituto Politécnico Nacional (National Polytechnic Institute)

*February 2022*

**Conferral Date:** June 2026

## ADDITIONAL SKILLS

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- **Programming Languages:** Java, C, C#, Python, JavaScript, SQL, NoSQL, HTML/CSS
- **Technologies/Frameworks:** React, NodeJS, Spring, JUnit, Git/Github
- **Developer Tools:** VS Code, IntelliJ, CLion, WebStorm