

Diego González

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Work Experience

React E-commerce

Feb 2025

- Developed a full-stack e-commerce web application using React.js, Node.js, TypeScript, Firebase, and Tailwind CSS, ensuring a responsive, mobile-friendly UI.
- Implemented RESTful API integration with the Fakestore API, dynamically fetching product details such as name, description, image, price, brand, and discount.
- Designed and developed secure user authentication and authorization using Firebase, including JWT-based session management.

X (Twitter) Clone

Nov 2024 - Jan 2025

- Engineered a scalable, full-stack social media platform using React.js, Node.js, PostgreSQL, and Material UI.
- Developed an interactive post management system with features for creating, editing, deleting, and interacting with posts (likes, comments, reposts, and quotes).
- Built an optimized database schema in PostgreSQL, ensuring efficient query execution for high-traffic scenarios.

IPv6/IPv4 Tool

May 2024

- Developed a full-stack networking tool using Python to assist users in IPv6 and IPv4 subnet calculations.
- Integrated real-time IP calculations, providing CIDR-based subnetting, address range identification, and pricing estimates.

Notepad with Encryption

Dec 2023 - Jan 2024

- Built a secure note-taking application using C and the GTK4 library, focusing on data privacy and encryption.
- Implemented file I/O operations, allowing users to save and retrieve encrypted notes while maintaining efficiency.
- Offers the option to encrypt the text to ensure confidentiality.
- Designed a lightweight and responsive UI, enhancing accessibility and usability across different screen sizes.

Education

Santa María University

BSc. in Systems Engineering

Caracas, Venezuela

Oct 2021 - Jul 2026

Skills

Technical: HTML, CSS, JavaScript, TypeScript, React.js, Node.js, Python, C, C++, Bootstrap, Tailwind CSS, MongoDB, PostgreSQL, Firebase, Git, Github, Docker.

Language: Spanish (Native), English (C1)