



# Gabriel Alfonso Diaz Lopez

Software developer

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## SKILLS

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JavaScript – React – TypeScript – Next – Python – Django – Java – Spring – PHP

Laravel – C++ – Dart – Flutter – Git – Jira – HTML – CSS – Linux – Microsoft Server

## WORK EXPERIENCE

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*Independent Freelance*

*Viña del mar, Chile*

*Web developer*

*Dec 2020 – Nov 2023*

- Developed a user-friendly UI for a restaurant's internal tool using Flutter and Dart, enhancing efficiency and workflow for staff members. (Dec 2020 - Mar 2021)
- Constructed robust REST APIs in Django and Laravel, facilitating seamless data exchange across diverse platforms for client businesses. (Apr 2021 - Sep 2022)
- Orchestrated the creation of dynamic components in React with TypeScript, elevating the online presence of a primary school through intuitive design and functionality. (Oct 2022 - Jan 2023)
- Transformed an outdated PHP-driven school website into a cutting-edge Next.js platform, improving user engagement and accessibility. (Feb 2023 - Jun 2023)
- Managed the installation and configuration of operating systems and applications using Microsoft Server, ensuring optimal performance and security within a distributed computer system. (Jul 2023 - Sep 2023)
- Led the development and implementation of a database solution utilizing legacy CSV files, enhancing data organization and accessibility for warehouse operations. (Oct 2023 - Nov 2023)
- Delivered impactful static websites for local businesses throughout the freelance period, translating client visions into visually captivating online experiences that drive customer engagement and retention.

*Drive School "Al Volante"*

*Quillota, Chile*

*Web developer*

*Jan 2023 – Today*

- Spearheaded the development of a modern website leveraging Next.js 13, delivering a seamless user experience and robust functionality.
- Engineered REST APIs in Django, facilitating efficient data communication and management for enhanced application performance.
- Designed, normalized, and implemented a robust PostgreSQL database, ensuring data integrity and scalability for future expansion.
- Oversaw the successful deployment of applications on hosting services, ensuring smooth transition and optimal performance in live environments.

- Proactively performed ongoing maintenance and updates, ensuring application stability and security in response to evolving requirements and challenges.

*Candel Medical Company*

*Santiago, Chile*

*Web developer*

*Dec 2023 – Feb 2024*

- Pioneered the development of an innovative application in React Native to support electrostimulation therapy for patients with neurological disorders, contributing to improved patient care and treatment outcomes.
- Developed a high-performance web application using Next.js 14, delivering seamless performance and intuitive user experience.
- Successfully migrated AWS Amplify services from V5 to V6, ensuring compatibility and scalability for future development initiatives.

## PERSONAL PROJECTS

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### **Portfolio site**

*#React #Tailwind #Three*

- I utilized React.js and Tailwind CSS to create a website showcasing my portfolio and skills. These technologies are fundamental in modern web development; React.js enables the creation of interactive and dynamic user interfaces, while Tailwind CSS simplifies design and layout with its utility-first approach.
- I implemented 3D objects using Three.js and React Three Fiber. These tools allowed for the integration of engaging and dynamic visual elements on the website, enhancing user engagement and overall browsing experience.
- I integrated a language context for English/Spanish translation. This feature demonstrates my proficiency in handling advanced aspects of React.js such as state management and context, while also showcasing my ability to provide a multilingual experience, which is advantageous in international work environments.

### **Minecraft Clone**

*#React #Tailwind #Three*

- I developed an interactive 3D game based on Minecraft using React and Three.js, enabling players to build and destroy with five different types of blocks. These technologies are essential for web game development and interactive applications; React provides a modular and scalable structure, while Three.js offers advanced 3D rendering capabilities.
- I created a component to save game progress in the local storage of the browser. This functionality demonstrates my ability to work with browser APIs and efficiently manage data, which is crucial in developing applications requiring local data storage.

## Home Calculator

*#React #Tailwind #Three #Django #Python*

- I designed an interactive interface allowing users to design houses and rooms. I utilized React.js to build an intuitive and user-friendly interface, improving user experience and increasing application adoption.
- I developed and implemented a web scraper in Python to collect data from hardware stores. This skill showcases my expertise in developing automation scripts and data extraction, which is useful in gathering information for research projects or market analysis.
- I processed the user-designed layout and displayed the necessary construction materials for the project. This functionality required the use of data processing algorithms and manipulation of data structures, highlighting my ability to solve complex problems and deliver practical solutions to user needs.