Gabriel Alfonso Diaz Lopez

Fullstack Developer & Project Leader
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Professional Profile

I am a Senior Fullstack Developer with over 5 years of experience in web development, project leadership, and process optimization. My focus is on creating efficient, scalable, and high-performance solutions, utilizing the right technology for each case. My ability to understand business challenges and translate them into technical solutions, combined with my project management skills, has allowed me to drive the success of complex projects from planning to implementation.

Education and Certifications

- Technical University Degree in Computer Science, Universidad Técnica Federico Santa María (UTFSM) 2022-2023, Viña del Mar, Chile
- Project Initiation: Starting a Successful Project – Google
- Project Planning: Putting It All Together – Google
- Foundations of Project Management – Google

Technical Skills

- Programming Languages:
    JavaScript, Python, Java, PHP, C++
- Frameworks and Libraries:
    React, TypeScript, Next.js, Django, Laravel, Spring, Angular, Flutter
- Databases:
    PostgreSQL, MySQL, MongoDB
- Automation and AI:
    TensorFlow, Keras, Selenium, Scapy
- Tools:
    Git, Jira, Docker, Kubernetes, AWS, Linux, Firebase
- Cybersecurity:
    Metasploit, Wireshark, OWASP, JWT

Languages

Spanish: Native
English: Conversational (focused on technical communication and documentation)

Professional Experience

Freelance Independent
Web Developer & Project Leader
Dec 2020 – Nov 2023, Viña del Mar, Chile
• Led the development and delivery of web solutions for various clients, managing projects from initiation to implementation, always meeting deadlines and exceeding expectations.
• Transformed outdated platforms into modern solutions, such as the redesign of a school website using Next.js, improving user interaction and increasing retention by 40%.
• Designed and implemented automation systems that improved operational efficiency for businesses, such as creating internal tools for restaurants using Flutter and Dart, reducing operational time by 30%.
• Managed the integration of REST APIs and the development of scalable databases, optimizing system interoperability and ensuring greater data security and availability.

Driving School "Al Volante"
Web Developer
Jan 2023 – Mar 2024, Quillota, Chile
• Led the creation of a modern web platform using Next.js and PostgreSQL, improving user accessibility and increasing online sign-ups by 25%.
• Implemented backend solutions ensuring data integrity and scalability, providing a smooth and reliable experience for users.
• Managed the successful deployment of the platform in production and provided ongoing maintenance, adapting the solution to business needs.

Candel Medical Company
Web Developer
Dec 2023 – Feb 2024, Santiago, Chile
• Developed a mobile application in React Native for electrostimulation therapies, improving patients' quality of life and optimizing treatment times.
• Migrated AWS Amplify services, improving scalability and infrastructure compatibility to support future development initiatives.
• Designed a high-performance web application using Next.js, enhancing user experience and reducing page load times by 40%.

RMES Analytics
Web Developer
Mar 2024 – Present, Santiago, Chile
• Developed interactive user interfaces using HighChart in Angular 15 for data analysis in the mining industry, improving decision-making by providing accurate and clear visualizations.
• Collaborated in creating unit tests and documenting processes, ensuring robust and reliable code.

• Led the implementation of new features, ensuring the platform meets the highest standards of quality and security.

UMAR
QA Developer & Test Automation
May 2024 – Oct 2024, Valparaíso, Chile
• Conducted quality assurance (QA) tests for two critical applications, an accounting software and a container tracking system, ensuring both solutions met the highest quality, functionality, and performance standards.
• Designed and executed detailed manual tests, covering full use cases and ensuring early bug detection and issue resolution before application release.
• Proposed and implemented test automation to increase the QA team's efficiency and reduce test execution times in development cycles.
• Developed a Selenium-based crawler to automate human interactions with the container tracking application, enabling automated repetitive tests and significantly improving test coverage.

Additional Achievements
• First place in the 2022 Housenovo Bootcamp (UTFSM) for the Home Calculator project, an application to design houses and calculate materials.
• Active participation in agile projects, with experience working in multidisciplinary teams and leading sprints within Scrum methodologies.
• Ability to communicate effectively with clients and technical teams, ensuring requirements are understood and executed correctly.

Why Hire Me?
I am the Fullstack Developer who not only delivers code but also leads the way toward the success of every project. My experience in automation, combined with my project management skills, enables me to provide innovative and secure solutions that add real value to businesses. With a focus on efficiency, quality, and performance, I am a key member for any team looking to scale its technological infrastructure to the next level.