

Juan David Gonzalez

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Backend Developer

Software Developer with over 8 years of experience designing, modeling, and developing web applications. I am passionate about building web applications that solve real-world problems. I have experience in **PHP**, especially with the **Laravel** framework, and in the frontend in frameworks like **Vue.js**. I also have knowledge in Javascript, JQuery, MySQL, Postgresql, Git and GitHub, Linux terminal, and Docker. I have worked on a variety of projects, such as POS systems, telecommunications, education, and health platforms. In addition to my technical skills, I have experience with custom APIs. I am always looking for opportunities to expand my knowledge and skills. I am a self-taught person, proactive, and attentive to details.

EXPERIENCE

PANA Business, Head of Development – June 2023 – July 2025

Team Lead of the Development Department at PANA Business, a company focused on developing technology products for the healthcare sector, with over 25 years in the Colombian market, supporting outpatient operations for more than 7 million users across 700 healthcare providers (IPS).

- Supervision and support of the Development and SQA team members.
- Requirements gathering, design, and leadership of over 10 projects and products within the PANA Suite, including: self-service kiosks, electronic billing, WhatsApp chatbot, telemedicine, among others.
- Task review and assignment to team members.
- Involvement in the full product lifecycle.

Universidad Autónoma De Occidente, Teaching Assistant — April 2023 – May 2023

Teaching assistant for the Cloud Computing course in the Artificial Intelligence specialization program.

- Provided student support, answered questions, and offered guidance on workshops and practical activities.
- The course focused on tools such as Docker, Kubernetes, and Microsoft Azure.

EPAM System, Senior Software Engineer (Remote) — April 2022 - January 2023

As a team member of a DB driver migration project for a large virtual furniture store with a global presence, my role involved a variety of technical responsibilities. These included:

- Setting up and testing the new DB driver to ensure optimal performance and compatibility with the existing system.
- Conducting code refactoring to enable the correct operation of the new DB driver and ensure application compatibility with PHP8.
- Working closely with other team members to deploy the updated code to the production environment, tracking its progress using CI/CD tools.
- Conducting troubleshooting testing to ensure the system was running smoothly.

I collaborated effectively with other team members to ensure that the migration was successful, minimizing any potential disruptions to the business.

Globant Sistemas Colombia S.A.S, PHP Developer Sr (Remote)— November 2021 - April 2022

As a team member of an internationalization project for a large US web application with over 8 million students, focused on creating an online learning community for people who want to learn from educational videos. The project was developed using the **Yii** framework. My key responsibilities included:

- Extracting strings for translation, ensuring that all content was available for translation into multiple languages.
- Refactoring the codebase to ensure correct string extraction and localization.

- Reviewing pull requests from other team members, providing feedback and approval for deployment to production.

Through these activities, I played a critical role in enabling the application to reach a wider audience, ensuring that students around the world could access educational content in their native language.

Pana Business. Cali, Colombia, Lead Integrator Application Engineer — November, 2019 - November 2021

As a team leader and developer, I focused on developing and maintaining web applications that improved patient care and support. Utilizing key technologies including PHP, Node.js, Socket.io, Javascript, JQuery, Bootstrap, MongoDB and SQL, I led a team of developers and provided guidance and support to ensure successful project completion. Some of my key responsibilities included:

- Tracking and supporting team members to ensure successful completion of projects.
- Maintaining the IVR system developed in Asterisk.
- Developing and consuming REST services to improve the functionality and usability of web applications.

In response to the COVID-19 pandemic, I implemented a telemedicine module for virtual patient care, utilizing webRTC and Web Sockets to facilitate remote consultations. Additionally, I implemented a wiki to document the modules developed, making it easier for future developers to understand and build upon the work we had done.

Through my leadership and technical expertise, I helped to enhance and ensure the operation and maintenance of our web applications.

Universidad Autónoma de Occidente. Cali, Colombia, Research Assistant — July, 2018- June, 2019

As a software developer, I played a critical role in the research project "Computational mechanism to support the middleware layer of the ResCity"

- Implementation of microservices architecture using Kubernetes and Hybrid Cloud Hadoop-HDFS Amazon S3, enabling efficient and scalable data processing and analysis.
- Publication of research papers in top-tier conferences, including "Heterogeneity-Aware Data Placement in Hybrid Clouds" and "Microservices-based Architecture for Resilient Cities Applications," demonstrating my expertise in the field and contributing to the advancement of the project's goals.

Through my work on this project, I gained invaluable experience in cutting-edge technologies and techniques, and played a critical role in developing solutions to support resilient cities. I am proud to have contributed to this important research, and I look forward to continuing to use my skills and expertise to solve real-world problems through technology.

SofiaTIC S.A.S. Cali, Colombia, Full Stack Developer — June, 2017- July, 2018

As a web developer, I designed, developed, and maintained custom web applications for companies across diverse economic sectors. My technical expertise includes proficiency in PHP, Laravel, Javascript, JQuery, Vue.js, and MySQL. Some of my key responsibilities and accomplishments include:

- Collaborating with clients to understand their unique needs and requirements, and delivering solutions that meet their goals.
- Developing custom modules to enhance the functionality and usability of web applications.
- Creating responsive and user-friendly interfaces to improve the user experience and engagement.

Through my work, I have helped companies achieve their business objectives, from improving customer engagement to streamlining internal operations. I am passionate about leveraging technology to create impactful solutions.

Asesorías & Soluciones Tecnológicas. Cali, Colombia, Engineering Assistant — August, 2014- June, 2016

As a web developer and technical support specialist, I played a key role in developing and maintaining internal web applications, configuring VoIP telephony equipment, and providing technical support to customers. Utilizing key technologies including PHP/CodeIgniter, Javascript, Node.js, JQuery, Bootstrap, and SQL. My key responsibilities and accomplishments include:

- Collaborating with cross-functional teams to develop and implement custom web applications that streamlined internal processes, including billing system, order fulfillment, and customer relationship management.
- Configuring and maintaining VoIP telephony equipment, ensuring reliable communication and seamless integration

- with existing systems.
- Providing technical support to customers, troubleshooting issues, and resolving technical problems in a timely and efficient manner.

Through my work, I contributed to the efficiency and effectiveness of internal operations.

Freelance — *Intermediate periods*

Development of custom web applications for different economic sectors using PHP Laravel, NodeJs, Javascript, Vue.js, MySQL, GraphQL, among others.

SKILLS

Programming Languages: PHP, NodeJs, Javascript

Frameworks and Tools: Laravel, Vue.js, MySQL, Postgres, HTML, CSS, Bootstrap, Vagrant, Composer, Docker, Kubernetes, AWS, Azure. Restful API

Languages: English, Intermediate; Spanish, Native;

EDUCATION

- **Universidad Autónoma de Occidente** – Cali, Colombia
Electronic and Telecommunications Engineer, February 2019
- **Universidad Internacional de la Rioja**
Master's Degree in Artificial Intelligence – Currently Enrolled