

Dynamic and detail-oriented professional specialized in both front-end and back-end development, adept at leveraging extensive programming expertise with technologies including JavaScript, Vue.js, React, Laravel, and WordPress. Highly proficient in crafting scalable, maintainable code and excelling at optimizing user interfaces and experiences through responsive design and advanced templating with PHP, Blade, and Twig. Expert in managing sophisticated server architectures and adept at implementing robust code quality tools such as GitHub Actions and Prettier to streamline development processes. Committed to continual professional development, consistently integrating the latest industry trends and technologies to deliver innovative and impactful project outcomes.

Areas of Expertise

- Front-End Development
- User Experience & User Interface Design (UX) (UI)
- Cross-Browser Compatibility
- Project Management
- Back-End Development
- Scalable Code Development
- Code Quality Assurance
- Data Integration
- Responsive Design
- Performance Optimization
- Agile Methodologies
- Leadership & Team Development

Accomplishments

- Spearheaded development of **PoderJudicial.gob.do**, a pivotal web platform for the Dominican Republic's Judicial Branch, showcasing expertise in designing impactful public-facing applications.
- Designed and implemented **over 12 advanced public access websites and scalable internal web applications** at Padsquad and LFORM, enhancing user experience, functionality, and security through innovative technologies such as WordPress, Laravel, Vue.js, and Statamic. Delivered modern, pixel-perfect designs tailored to client and user needs.
- Managed and optimized 9-1-1 National Emergency service database, web services and server operations, earning consecutive **NORTIC certifications** and top technology scores from government evaluations.

Professional Experience

LFORM, Montclair, NJ (Remote) February 2024 — Present
Front-End Developer

Develop and sustain front-end and back-end components utilizing Laravel, Statamic, and WordPress, incorporating Bedrock/Sage frameworks. Engineer custom WordPress themes and plugins to enhance site functionality and user engagement. Write and refine clean, scalable code in HTML5, CSS3, JavaScript (ES6), and PHP. Create and manage reusable Tailwind CSS components, promoting design consistency and project efficiency. Configure and administer code quality tools such as linters, Prettier, and GitHub Actions to streamline development workflows. Employ PHP, Blade, Antlers, and Twig in crafting dynamic, high-performance frontends. Optimize web performance, focusing on swift loading times and responsive designs. Oversee server architecture and deployment strategies using Forge and Nginx, aiming for efficiency and security

- Spearheaded the full-scale development of six comprehensive websites and web applications, ensuring responsive, pixel-perfect execution on platforms such as WordPress, Laravel, and Statamic.
- Led major client redesign initiatives, utilizing Figma to deliver intuitive and visually appealing user interfaces for various digital platforms.
- Innovated cost-saving measures by developing custom plugins and features that enhanced functionality while reducing expenses for the company and its clients.
- Managed and ensured compliance with Google Search Console, Google Analytics, and Web Content Accessibility Guidelines (WCAG), achieving optimal site performance and meeting accessibility standards.

Padsquad LLC, Remote December 2021 — February 2024
Software Engineer

Spearheaded development of scalable platform features and modules using Vue.js, Vuex, and Node.js, ensuring compliance with advanced UX/UI standards and scalability needs. Architected and optimized serverless infrastructure leveraging AWS tools, including Lambda Functions, API Gateway, S3, and CloudWatch, to enhance platform performance and reduce operational costs. Streamlined integrations with platforms such as Tableau, elevating data processing, visualization, and reporting capabilities, driving data-driven decision-making across teams..

- Partnered with marketing, creative, and operations teams to analyze functional requirements and deliver precise improvements that increased efficiency and user engagement.
- Innovated and deployed solutions that significantly enhanced platform usability and functionality, aligning with organizational goals and modern web practices.
- Enhanced collaborative workflows by aligning technical implementations with business objectives, resulting in improved cross-departmental operations.
- Utilized modern web technologies to refine user experience, achieving measurable improvements in platform responsiveness and adaptability.

The Judicial Branch, Dominican Republic, Remote User Experience Assessor (UX/UI)

March 2020 — December 2024

Elevated user experience and interface design of internal systems, extending beyond analysis and redesign to lead the creation, implementation, and maintenance of public web platforms. Implemented custom Content Management Systems (CMS) for public access, designed to enhance user interaction while ensuring compliance with UX/UI principles, WCAG accessibility standards, and high-security protocols. Spearheaded the development of public access websites with fully customized design systems, focusing on enhancing user experience and security. Led the configuration, maintenance, and security updates of virtual machines to ensure continuous optimization and safety.

- Played a pivotal role as the Lead Designer and Developer in the implementation of the SharePoint intranet, significantly enhancing internal communication and collaboration.
- Contributed significantly to achieving NORTIC A2, NORTIC E5, NORTIC B2 Certifications from OGTIC, affirming compliance with national technology and security standards.
- Directed the design and development of a responsive website using a custom WordPress system, integrating WCAG and usability technologies to streamline access to judicial services on a single platform.
- Crucial in the institution receiving NORTIC certifications from the Dominican Republic's OGTIC, recognizing excellence in technology and compliance standards.
- Collaborated with the Infrastructure team to design and develop the SharePoint Intranet, enhancing internal communications and operational efficiency.
- Managed web servers for over 10 public websites, including the Poder Judicial, ensuring adherence to high performance and security standards.

9–1-1 (Dominican Republic National Emergency & Security System), Santo Domingo Database Analyst

January 2019 — August 2022

Administered SQL Server, MariaDB, and MySQL databases, focusing on optimizing statistical efficiency and data quality. Developed and implemented databases and data collection systems, optimized for rapid query responses and high-speed transaction recovery. Enforced database policies, procedures, and standards to ensure data security, privacy, and integrity. Monitored database performance, applying necessary patches and updates, and managed troubleshooting to maintain system reliability. Handled backups, restores, and replication across multiple database platforms to minimize downtime and preserve data integrity.

- Enhanced statistical efficiency and data quality through robust database development and data collection system implementations.
- Tested and enforced stringent database policies and procedures, ensuring data security, privacy, and integrity. Efficiently applied patches and managed troubleshooting for various database issues.
- Managed backups, restores, and replication processes, significantly minimizing downtime and preserving data integrity.
- Utilized SQL Server Reporting Services and Microsoft Power BI Report Server to generate comprehensive reports and visualizations, aiding in operational insights and strategic decision-making.

9–1-1 (Dominican Republic National Emergency & Security System), Santo Domingo Webmaster

March 2016 — January 2019

Developed websites and software applications using various programming languages and tools. Managed website updates, backups, troubleshooting, and ensured adherence to industry standards. Conducted technical analysis to understand user needs, maintaining and configuring server settings to enhance site security and performance. Performed debugging, content updates, SEO reviews, and monitored site performance metrics such as traffic and conversions.

- Maintained and optimized the organization's web infrastructure, implementing updates, backups, and troubleshooting protocols that reduced downtime and improved site security.
- Enhanced user experience by conducting regular technical analyses and SEO reviews. Made content updates and site modifications based on user feedback and analytics, leading to increased traffic and engagement.
- Collaborated with IT, Security, Infrastructure, and Operations teams to drive initiatives that secured Nortic's certification, demonstrating excellence in technology implementation and compliance.

- Played a key role in the institution being ranked in the top five of government institutions with the highest technology scores for three consecutive years, underscoring a commitment to technological excellence and innovation.

**Theorem, LLC, Distrito Nacional, Santo Domingo,
Rich Media Developer and Designer**

February 2013 — March 2016

Designed and developed innovative HTML5/JavaScript digital ads, managing the full lifecycle of projects from conception to delivery. Utilized JavaScript frameworks such as jQuery and Greensock to enhance interactivity and functionality, ensuring a seamless user experience across web, tablet, and mobile platforms. Collaborated closely with cross-functional teams to ensure that digital advertisements met both creative and technical specifications.

- Spearheaded the creation and implementation of cutting-edge digital advertising projects, significantly enhancing user engagement and interactivity across multiple platforms
- Played a key role in team efforts that consistently met and exceeded creative and technical expectations, improving client campaigns and boosting user engagement through innovative digital solutions.

Education

Bachelor of Science in Software Engineering, (C# Track) (Expected by end of 2025), Western Governors University, Millcreek, UT

Bachelor of Science in Systems Engineering, May 2017 – Mar 2023 , Universidad del Caribe, Dominican Republic

Associate in Multimedia Technology , Technological Institute of the Americas, Santo Domingo

Certifications

CS50x - Introduction to Computer Science, Harvard University, Jan 2022

Cyber Security Foundation Professional Certificate (CSFP), CertiProf, 2022

Linux Essentials, Linux Professional Institute (LPI), 2022

Microsoft Certified: Azure Fundamentals, Microsoft, 2021

Scrum Foundation Professional Certificate (SFPC), CertiProf, 2020

Professional Courses

MongoDB Node.js Developer Path, MongoDB University, Dec 2023

Principles of Secure Coding, University of California, Davis by Coursera, Oct 2022

IT Security: Defense against the digital dark arts, Google by Coursera, Sep 2022

Node.js Backend Basics with Best Practices, Coursera, Sep 2022

AWS Fundamentals: Building Serverless Applications, AWS by Coursera, Aug 2022

Deploy a Wordpress Website in AWS EC2, Coursera, Aug 2022

AWS Cloud Technical Essentials, AWS by Coursera, Aug 2022

Learn Vue.js, Codecademy, Aug 2021

Learn Asynchronous JavaScript, Codecademy, Jun 2021

Learn JavaScript ES6, Codecademy, Jun 2021

Analyzing and Visualizing Data with Power BI, Microsoft by Teorema, Feb 2020

Learn SQL, Codecademy, May 2019

Querying Data with Transact-SQL, Microsoft by Teorema, 2019

Developing Microsoft SQL Server Databases, Microsoft by Teorema, 2019

Planning and Administering SharePoint 2016, Microsoft by TecKnowLogic, 2018

Technical Skills

Front-End Technologies: Vue.js, Vuex, React, JavaScript, HTML, CSS, Tailwind, Bootstrap, Foundation

Back-End Technologies: Node.js, PHP, Laravel

Platforms/CMS: WordPress, Statamic, Drupal

DevOps & Cloud Services: AWS, Azure, Cloudflare, Git, Forge

Database Management: MongoDB, SQL Server, MySQL

Design & UI/UX Tools: Figma, Adobe XD

Languages

Spanish: Native | **English:** Highly Proficient