



Jorge Eduardo Hernandez Oropeza

Software Engineer | Full Stack & Backend Developer

Skills

Details

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Yopal, Casanare Colombia

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Systems/Software Engineer with over 5 years of experience designing, developing, and deploying scalable web and mobile applications. Specialised in backend architecture with PHP (Laravel), Node.js, and Python, alongside reactive frontend interfaces built with Vue.js, React, and TypeScript. Proven track record in RESTful API integrations, Web Scraping and data automation pipelines (Puppeteer), real-time communication systems (OpenVidu/WebSockets), and cloud deployment using AWS (S3, CloudFront) and Docker. International experience in Australia, enhancing professional English proficiency and cross-cultural collaboration in global technical environments.

Languages & Frameworks: PHP (Laravel, CodeIgniter), JavaScript (ES6+), TypeScript, Node.js, Python, Vue.js (Vue 3, Blade), React.js.

Scraping & Automation: Web Scraping (Puppeteer, Python), Data Extraction, Integration Pipelines.

Databases & Real-Time: PostgreSQL, MySQL, MongoDB, SQLite, OpenVidu (WebRTC), RESTful APIs, Webhooks.

Cloud, DevOps & Tools: AWS (S3, CloudFront), Docker, Git Flow, CI/CD, Linux, Postman.

Methodologies & AI: Agile / SCRUM, Clean Architecture, SOLID, AI-assisted coding (GitHub Copilot, ChatGPT).

Core Competencies: Critical thinking, Problem-solving, Full-stack collaboration, On-time delivery, Continuous learning, Bilingual (English - Upper-Intermediate B2+).

Extra Competencies: Exploration of emerging technologies & methodologies, software development and implementation, and background in augmented reality (AR).

Employment History

Frontend Engineer at DELTA SOLUCIONES TI SAS, Yopal, CO

Jan 2026 – Current (Part-time)

Stack: React.js, Vue.js, Node.js, Laravel

- Contributed to designing modular components and reactive interfaces for cross-platform web and mobile applications (React, Vue, Ionic), ensuring a scalable frontend architecture and efficient consumption of backend services.
- Handled requirements and resolved issues using a ticketing system, addressing development bugs across both mobile and web platforms for the 119 Emergencias project.
- Continue to collaborate on the ongoing development and enhancement of the 119 application.

Full Stack Developer II at R8write Tech, Miami, USA

May 2022 - May 2024

Stack: Laravel, Vue.js, PostgreSQL, TypeScript, MongoDB, Node.js, Python, AWS, Docker

- Architected full-stack software solutions using Laravel, Vue.js, and PostgreSQL to handle high-traffic applications and complex business rules.
- Engineered Web Scraping and asynchronous processing pipelines using Node.js (Puppeteer) and Python, automating large-scale data extraction into MongoDB.
- Integrated secure RESTful APIs and core modules with external services, ensuring data protection and seamless interoperability, and orchestrated deployments on AWS infrastructure (S3, CloudFront) using Docker.
- Interpreted and implemented technical requirements in English while collaborating with distributed international teams.

Employment History

Full Stack Web Developer at Agencia FixU, Rancagua, CL

Jun 2021 - Feb 2023

Stack: Laravel, VueJs, OpenVidu, JavaScript, Blade, JQuery, MongoDB, MySQL, PostgreSQL, Bootstrap (+Version with Vue)

- Developed software modules for a real-time video conferencing platform, implementing WebRTC media servers (OpenVidu) and a Laravel backend built on scalable web architecture.
- Optimised the scheduling system's performance and integrated new features under Agile/SCRUM methodologies, consistently meeting sprint deliverables.
- Engineered frontend UI modules using Vue.js to enhance user experience and platform responsiveness.
- Collaborated with the core technical team to drive continuous improvement, software quality, and system stability.

Microsite Development Engineer I at LEGOPSTECH, Bogotá CO

Aug 2022 - Mar 2023 (Part Time)

Stack: Laravel, Blade, jQuery, MongoDB, Bootstrap

- Engineered dynamic microsites using Laravel, Blade, and MongoDB, prioritising page load speed and cross-platform compatibility.
- Handled technical requirements and resolved issues using a ticketing system to maintain service availability.
- Collaborated with the development team to drive system optimisations, feature enhancements, and product quality.

Software Development Engineer at NTICS, Bucaramanga, CO

Sep 2020 - Sep 2021

Stack: Laravel, Vue.js, PostgreSQL, MySQL, TypeScript, Node.js, AWS S3.

- Migrated a project management application to the Laravel framework, significantly enhancing system scalability and overall performance.
- Developed and integrated RESTful APIs with a reactive Vue.js frontend, optimising user experience and interface responsiveness.
- Leveraged open-source database technologies such as MySQL and supported the development of additional core modules to extend application functionality.

Full Stack Web Developer at Creandosoft, Bucaramanga CO

Mar 2020 - Aug 2020

Stack: Laravel, Vue.js, TypeScript, MySQL, AWS S3

- Engineered healthcare service workflows for a Colombian EPS, improving operational efficiency and ensuring full compliance with local health regulations.
- Developed an intuitive, reactive interface using Vue.js to streamline interactions between healthcare providers and members, enabling real-time service delivery and updates.
- Optimized MySQL data storage and management with a focus on scalability and cost efficiency, directly supporting strategic EPS system objectives.
- Enhanced data analytics and performance tracking through advanced SQL queries, increasing query speed and precision to support data-driven decision-making.

Employment History

Full Stack Junior Dev. at Sistemas Inteligentes, Yopal, CO

Jun 2018 - Feb 2020

Stack: Laravel, Vue.js, PHP, MySQL, AWS S3

- Contributed to the greenfield development of an enterprise management system for a regional health department.
- Assisted in designing and building the initial relational database schema, defining data structures and relationships for information management.
- Engineered core functionality for Finance and Authorisations modules to streamline healthcare and administrative processes.
- Developed dynamic user interfaces and features using Vue.js, building an intuitive and efficient application experience.
- Implemented complex SQL queries for data retrieval and management, supporting system performance and analytics.

Education

Diploma of Information Technology (Advanced Programming) at Canterbury Technical Institution, Brisbane, QLD, AU

Nov 2024 - Nov 2025

Grade: Information Technology - Advanced Programming

Extreme & Intensive English (Upper-Intermediate / B2+) at Impact English College & NCVE, Brisbane, QLD, AU

August 2024 - Oct 2024

Grade: Upper-Intermediate

Programming Skills Certification (Web & Mobile Development) – UNAB in alliance with MINTIC, Online, CO

Feb 2022 - Dec 2022

Relevant coursework: Focused on web and mobile development.

Bachelor of Science in Systems Engineering – Universidad de San Gil, Yopal, Casanare, CO

Feb 2012 - Nov 2018

Relevant coursework: Programming Fundamentals, Software Engineering Fundamentals, Database Design & Management, Operating Systems, Computer Architecture, Data Structures & Algorithms.

Links

<https://linkedin.com/in/eduarherz/>

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