

Wilhen Cruz
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Professional Summary

Software Developer and Engineering Manager with 5+ years of experience designing, building, and scaling web applications for logistics, warehouse management (WMS), sales operations, and enterprise systems. Strong background in Node.js, Vue.js, React, REST APIs, system integrations, and SAP Service Layer, with proven impact on operational efficiency, system stability, and team leadership.

I complement my technical experience through AI-assisted development workflows, using tools as Codex, OpenCode and integrations with Figma MCP to accelerate processes of analysis, UX/UI design, code generation, data modeling and application construction, reducing development times without compromising quality, maintainability or good engineering practices.

Work Experience

Grupo Fierros | Engineering Manager | Hybrid | San Pedro Sula, HN | 02/2025 – Present

- Led full-stack development for mission-critical warehouse and sales order management systems.
- Developed the barcode module, reducing picking and checking errors by 15–20%.
- Designed the order priority assignment process.
- Worked on frontend and backend development of the Receiving Module.
- Implemented inventory validations between warehouse and accounting systems.
- Implemented webhooks for order status change notifications.

Technologies: Node.js, TypeScript, Vue.js, Nuxt 3, REST APIs, Webhooks, PostgreSQL, SQL Server, WMS.

Agencia Global | Software Developer - Product Manager | Hybrid | San Pedro Sula, HN | 10/2021 – 01/2025

- Led and worked on frontend and backend development of the Checking Module.
- Designed and developed full-stack solution for inventory audit, reducing stock inconsistencies by 20–25%.
- Implemented REST APIs and third-party integrations, including logistics integration with Moovin.
- Automated shipping method and courier assignment using business rules.
- Migrated SAP integrations from DiAPI to SAP Service Layer, improving scalability and maintainability.
- Led the migration of the Dispatch Module, improving system stability and order traceability.
- Worked on frontend development of the Dispatch Module.
- Implemented workflows for urgent orders, reducing response time by approximately 40%.

Technologies: Node.js, JavaScript, TypeScript, Vue.js, Nuxt 3, Visual Basic, REST APIs, SAP Service Layer, SQL Server.

GoIT | FullStack Development Teacher | Remote | 10/2023 – 04/2024

- Delivered backend development classes using Node.js, covering fundamentals through testing and deployment.
- Introduced testing with Jest, improving code quality and reliability.
- Explained Docker fundamentals and basic application deployment concepts.
- Demonstrated real-world implementations of WebSockets, authentication and authorization, middlewares, and Joi validations.
- Delivered complete React.js course from fundamentals to advanced state management.
- Introduced professional state management using redux.

Technologies: Node.js, JavaScript, Express, MongoDB, Mongoose, Jest, Docker, WebSockets, Joi, Multer, Cloudinary, Nodemailer, React, Redux, CSS, SASS, React Hooks, Animations.

Education

Computer Science Engineering | Universidad Católica de Honduras | 2021

Certifications

- Fundamentals of Project Management by Google

Projects

POS System | CafeNet – Honduras | Remote | 06/2021 – 03/2022

- Conducted requirements gathering and system planning.
- Designed UI/UX prototypes using Figma.
- Developed full frontend including layout and component architecture.
- Designed and normalized PostgreSQL database structure.
- Built backend with Node.js and Express.
- Implemented product management, sales tracking, and inventory control modules.

Technologies: Figma, React, Tailwind CSS, Node.js, Express, PostgreSQL, JavaScript.

Car Manager | DATI – Honduras | Remote | 09/2023 – 04/2024

- Conducted requirements gathering and system architecture planning.
- Designed frontend and implemented responsive layouts.
- Designed database structure and backend architecture.
- Implemented full-stack solution with authentication and CRUD workflows.
- Containerized application using Docker.
- Configured Nginx for reverse proxy.
- Implemented CI/CD pipelines using Jenkins and GitHub.

Technologies: Next.js, React, Tailwind CSS, Node.js, Express, PostgreSQL, Docker, Nginx, Jenkins, GitHub.

Skills

- Programming Languages: JavaScript, TypeScript, Visual Basic, C#
- Frontend: React.js, Redux, Next.js, Vue.js, Nuxt 3, Tailwind CSS, HTML5, CSS3, Responsive Design, UI Integration, Shadcn/UI
- Backend: Node.js, ASP.NET Core, RESTful APIs, API Design, Authentication & Authorization (JWT), WebSockets, Backend Architecture
- Cloud Platforms: Google Cloud Platform, Amazon Web Services
- DevOps Tools: Docker, Jenkins, GitHub Actions, Nginx, CI/CD Pipelines
- Database System: SQL Server, PostgreSQL, Prisma, Entities Design
- AI-Assisted Engineering: Codex, OpenCode, MCP Figma, Controlled Code Generation, Refactoring
- Soft Skills: Leadership, Criterion, Communication, Problem-solving, Team collaboration

Speaking and Conferences

Universidad Pedagógica Nacional

Panelist | Desarrollo de Software / Experiencias en Plataformas de Aprendizajes Digitales

San Pedro Sula | 04/2024

Languages

English: B2 (Professional Working Proficiency)

Spanish: Native