

Jesus Vazquez

Software Engineer / IT Assistant — PDR

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EDUCATION

Kean University | Union, NJ

B.S. in Computer Science

TECHNICAL SKILLS

Languages: C#, SQL, TypeScript, JavaScript, Python, Java, HTML/CSS

Frameworks / Tools: .NET, WPF, Next.js, React, Node.js, Tailwind CSS, Prisma, Git, GitHub, VS Code

Business Systems: Microsoft Dynamics 365 Business Central, SQL Server, SSRS, SQL Agent, EDI, SFTP, BarTender, Zebra Printers

Infrastructure: Linux, Ubuntu, Proxmox, Docker, SSH, Apache, Reverse Proxy, SSL, Windows Server

AI / Data: AI Agents, Automation Pipelines, Pandas, DuckDB, Research Logging

RELEVANT EXPERIENCE

Software Engineer / IT Assistant — PDR

- Build and maintain internal applications using C#, .NET, APIs, SQL Server, and warehouse and business workflow logic.
- Create API endpoints and backend workflows for internal tools used in logistics, reporting, label printing, and operations.
- Code and support Microsoft Dynamics 365 Business Central customizations, workflows, permissions, reports, data issues, and warehouse processes.
- Develop and troubleshoot SQL Server queries, stored procedures, SSRS reports, SQL Agent jobs, and operational data flows.
- Support EDI/SFTP workflows, file movement jobs, imports/exports, BarTender and Zebra printing, reprints, and print-job troubleshooting.
- Troubleshoot Windows/Linux servers, Apache, reverse proxies, SSL, hosted reporting pages, and remote connectivity.

YBF Beauty | Web Developer

- Built and maintained Shopify storefront pages, product listings, responsive UI/UX, ecommerce content, and media assets.

PROJECTS

PDR Labeling System

- Built and supported internal label-printing architecture using C#, .NET, WPF, REST APIs, SQL Server, worker services, BarTender, and Zebra printers.
- Worked on print workflows, previews, printer configuration, reprints, SSCC/carton/pallet/item label logic, and SQL stored procedures.

Ordex

- Built a Next.js, TypeScript, Firebase, Prisma, and Tailwind CSS logistics app for orders, pallets, inventory, locations, and warehouse workflows.

AI Ad Factory

- Built a self-hosted n8n, PostgreSQL, Docker, Telegram, and AI-agent pipeline for generation, scoring, revision memory, and human review.

HACKATHON EXPERIENCE

Hole in the Wall | HackPrinceton

- Built a rapid Next.js/React hackathon prototype using Firebase, TypeScript, and Tailwind CSS.
- Collaborated under a short deadline on product direction, frontend flow, debugging, and demo preparation.

OptiBuy | Columbia Hackathon

- Built a price-comparison hackathon web app with AI shopping assistance, price history, and smart-alert concepts.
- Used Next.js, TypeScript, Tailwind CSS, Prisma, Recharts, and authentication/data validation tooling.