

# PEDRO DECASTRO DAVILA

Software Engineering Leader | Systems Architect | AI-Driven Platform Development

Davie, FL (Remote)

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## PROFESSIONAL SUMMARY

Software architect and engineering leader with 15+ years of continuous experience designing, building, and maintaining production web platforms. Proven background in JavaScript/TypeScript, Node.js, WordPress, UX systems, and enterprise tooling. Experienced delivering scalable, user-centered applications for SaaS, fintech, logistics, marketing, and enterprise clients, leading technical direction, mentoring contributors, and delivering scalable solutions that transform legacy systems into modern platforms.

## Core Skills

### Architecture & Systems

Platform architecture  
(Node.js, REST APIs, CMS systems)

Legacy system modernization

Data modeling & structured content systems

API design and integrations

### Engineering Leadership

Technical leadership & mentoring

Agile delivery & sprint coordination

Cross-functional collaboration

Project and architecture ownership

### Full-Stack Development

TypeScript, JavaScript, PHP

Node.js, Express, Python

WordPress  
(custom application development)

MySQL, Postgres, SQLite

### AI & Automation

AI-assisted development (Cursor, Claude)

Workflow automation pipelines

MCP integrations & system orchestration

### Cloud & Infrastructure

Docker / containerized services

Cloud-hosted environments  
(DigitalOcean, modern cloud stacks)

CI/CD concepts

# PROFESSIONAL EXPERIENCE

## Founder / Systems Architect / Engineering Lead

### **Truligon – Remote**

*Feb 2023 - Present* | Full-Time, Self-Employed

Architect and build data-driven platforms and applications using TypeScript, Node.js, and WordPress.

Lead technical direction across multiple projects, coordinating contributors and defining system architecture.

Design API-driven systems and structured data models supporting dashboards, automation tools, and SaaS-style applications.

Modernize legacy codebases and workflows by introducing modular architecture and automation pipelines.

Implement AI-assisted development workflows (Cursor, Claude) to engineering output and system design.

Deploy and host cloud-connected web applications using containers and/or Cloudflare edge services.

### **Key Impact**

Reduced legacy dependencies and improved maintainability across multiple unique systems

Introduced automation pipelines and AI-assisted workflows to increase engineering velocity

## Senior Creative Manager / Technical Consultant

### **E-Tek Software & Services – Remote**

*Mar 2016 - Present* | Contract

Long-term consultant for a Microsoft Gold Partner supporting enterprise clients.

Led technical implementation, system integrations, and CRM-based platforms.

Served as Microsoft Dynamics 365 portal administrator, supporting data workflows and integrations.

Coordinated cross-functional teams across marketing, development, and enterprise clients.

Delivered production systems integrating CRM, web platforms, and automation tools.

### **Key Impact**

Supported enterprise deployments and CRM integrations

Led technical coordination across multiple stakeholders

## User Experience Engineer/Manager

### **Eznet Services Inc. – Remote**

Mar 2022 - Nov 2022 | Contract

- Built and enhanced features for scheduler software platforms.
- Developed front-end systems integrated with ASP.NET backend applications.
- Designed structured UI systems and eCommerce-related interfaces.
- Performed and coordinated QA and managed and performed sprint workflows via Jira.

## Mid-Level Developer (Full-Time)

### **dc International – Lafayette, LA**

Mar 2019 - May 2020

- Developed logistics and asset-tracking web applications in a 3-week Agile cycle.
- Built Node.js/Express services with Docker-based deployment .
- Implemented Pug templates and PDF generation pipelines.
- Reduced legacy PHP dependencies and modernized build systems using Webpack.
- Performed QA testing and sprint task management.
- Collaborated with teams to deliver features in 3-week sprint cycles.

## Marketing Web Designer / Wordpress Developer

### **Debt.com – Sunrise, FL**

Feb 2018 - Sep 2018

- Designed and developed UX-focused WordPress experiences within Agile teams.
- Built interactive tools including a Credit Card Repayment Calculator.
- Created custom post types and upgraded schema to JSON-LD.
- Supported A/B testing, usability improvements, and content strategy.
- Created design system of reusable design components

# Executive Project Manager / UX Designer

## **E-Tek Software & Services – Boynton Beach, FL**

*Oct 2017 - Dec 2017*

Managed Microsoft software deployment, training, and integration projects. Coordinated developers, contractors, and enterprise clients.

Supported UX design and Drupal-based web initiatives.

Managed instructors and onboarding students within the

## **Early Career – Web & UX Development**

Multiple Agencies & Contracts – Remote / Florida

*2007 - 2014*

Delivered front-end development, UX design, email systems, and CMS solutions.

Worked with agencies and enterprise clients across finance, automotive, hospitality, and IT services.

Built HTML/CSS/JS interfaces, email campaigns, and marketing platforms.

Clients included enterprise consultancies, staffing firms, and digital agencies.

## **EDUCATION & CERTIFICATIONS**

Microsoft Certified Professional (Dynamics CRM)

Ongoing self-directed education in systems architecture, soft-skills, AI tooling, and modern front-end engineering