

Adam F Lopez

Senior Software Engineer · Full Stack Developer · Web Developer

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INTRODUCTION

I'm Adam Lopez, a Senior Software Engineer and Full Stack Developer based in Florida. Over the past decade I've worked across healthcare technology, real estate, e-commerce, pet supply logistics, and telecommunications — building web applications that have to hold up for real people, not just pass a demo. These days I split my time between shipping features in Laravel and PHP and building the tooling that makes a team faster — CI/CD pipelines, dev environment automation, and the small internal tools that never make it onto a portfolio but save everyone real time.

I didn't start in tech. I spent a decade in retail management at Publix Super Markets before deciding to make a change — I wanted to keep growing my career without relocating my family or waiting years for the next opening, so I left, used some of my retirement stock to fund the leap, and enrolled in Ironhack's full-stack coding bootcamp in Miami as part of one of its first cohorts. The program was Ruby on Rails-focused, but the Tampa job market wanted PHP, so I taught myself PHP and MySQL and pivoted — the real lesson from that bootcamp wasn't a specific language, it was how to pick up a new stack quickly when the business need calls for it, which is a skill I still lean on today.

SUMMARY

My background runs deep on the PHP/Laravel side, but I move comfortably across the stack — React, Angular, and Vue on the front end, MySQL and REST/GraphQL APIs underneath, Docker-based environments end to end. What ties it together is a focus on maintainability: I'd rather ship code a teammate can extend six months from now than a clever one-off, and that shows up in how I test, document, and structure everything I build. A few specifics from that experience:

- As a Senior Software Engineer, I bring a wealth of expertise in solving complex business problems through a diverse range of methodologies.
- My focus on product-centered development enables me to create easily understandable and reusable code components, streamlining the development process and ensuring long-term maintainability.
- I excel in analyzing, documenting, and implementing functional enhancements to features and projects, leveraging the latest software technologies to stay at the forefront of innovation.
- With a strong emphasis on user experience, I continuously seek ways to optimize and enhance interactions with the application/site, ultimately increasing user engagement and satisfaction.
- My proficiency extends to crafting comprehensive coding tests, meticulously validating methods and classes to ensure a seamless transition of features to the production environment.
- As a subject matter expert in front-end development, I possess an in-depth understanding of technical concepts, enabling me to drive architectural decisions and provide valuable insights to the Agile team.
- My solid background in this field empowers me to deliver high-quality, robust solutions and facilitate code reviews, fostering a culture of technical excellence within the organization.
- I am dedicated to pushing the boundaries of software engineering, consistently delivering innovative, reliable, and user-centric solutions that positively impact both the company and its valued customers.

SERVICES

Web Development

Worked with large and small organizations that followed standard Agile methodologies while developing Web Applications on both the front-end and the back-end. Allowing me to perform as a Full-Stack Developer.

Increase Engagement

When visitors visit on your site and interact with content, we have the ability to define maximum engagement and how to boost this is critical website factor to earn more leads and revenue

Perceptive Technology

Seek to eliminate as many commercial and logistical intermediaries as possible to save resources and increase engagement with the end customer/client.

SKILLS

AI & LLM TOOLS

AI-Assisted Software Development · ~2 yrs

Claude (Anthropic)

ChatGPT / OpenAI

Prompt Engineering

AI-Augmented Code Review & Debugging

LANGUAGES & FRAMEWORKS

Laravel · 7 - 13 PHP · 7.4 - 8.4 Go ReactJS · 16 - 18 Angular · 8 - 9 VueJS · 3.2 Typescript · 4.8 Javascript HTML · 5

CSS · 3 Bootstrap WordPress Twig for Template

APIS & DATA

REST APIs GraphQL · 16.6 MySQL · 8.0 - 8.4

CLOUD, DEVOPS & INFRASTRUCTURE

Docker · 4.12 CI/CD Pipelines Linux Cloudflare AWS Git

TESTING & QA

Cypress.io · 10.6 Karma · 1.7.1 PHPUnit User Acceptance Testing

DESIGN, SEO & GROWTH

SEO Best Practices UI/UX Design Patterns Figma Photoshop Segment.io

METHODOLOGY & COLLABORATION

SDLC AGILE Methods Communication Skills

EXPERIENCE

Software & Web Developer · Hotwire Communications

April 2024 – Present

Fort Lauderdale, FL

- Conduct in-depth reviews and analyses of the existing custom PHP codebase to evaluate current functionalities.
- Engage in a variety of future projects ranging from resolving user-reported issues, enhancing existing functionalities, to the development of new functionalities and comprehensive modules.
- Design, develop, and maintain dynamic web applications and web services (APIs), employing the latest versions of PHP.
- Transition and upgrade legacy systems from PHP 5.5 to PHP 8.
- Create and manage database objects to interface with front-end and middle-tier applications.
- Lead technology discussions and conduct assessments to identify gaps in meeting business requirements.
- Manage databases, primarily focusing on MySQL, with additional responsibilities involving MSSQL and Oracle.
- Adhere to coding standards by applying industry best practices.
- Collaborate with stakeholders to capture and understand business requirements.
- Document technical requirements and design specifications.
- Ensure the quality and documentation of project deliverables.
- Integrate AI coding assistants — primarily Claude and ChatGPT — into daily development workflows for roughly two years, using them for code generation, refactoring, debugging, test-writing, and technical documentation.
- Apply AI-assisted development practices to accelerate the ongoing legacy PHP 5.5 to PHP 8 migration, using LLM tooling to speed up code review, pattern discovery, and documentation across the existing codebase.

Full Stack Developer · Phillips Pet Food & Supplies

October 2022 – April 2024

Easton, PA

- Played a pivotal role in designing and implementing enhanced security features to safeguard the application from potential threats, ensuring robust protection akin to established frameworks like Laravel.
- Served as a crucial member of a 4-6 person Agile team, focusing on the development of core application functionalities, API integrations, and database optimizations.
- Managed end-to-end software development tasks, integrating a combination of PHP, SQL, JavaScript, and other modern web technologies to create scalable and maintainable solutions.
- Optimized application codebase to deliver consistent performance, enhancing responsiveness and ensuring seamless user experiences across various devices.
- Engaged in the refinement and expansion of the application's backend, developing modules, middleware, and service providers, drawing inspiration from frameworks like Laravel.
- Expertise in a wide array of web development technologies, including PHP & PHP frameworks, ORM systems, and various frontend technologies such as Angular and React.
- Engaged actively in planning sessions, assessing the feasibility of proposed features, and devising efficient implementation strategies in line with the team's objectives.

- Designed and developed scalable software architecture using best practices within the PHP ecosystem and adhering to the principles of clean code.
- Facilitated code reviews, ensuring that the team maintained a high standard of code quality and followed the best practices set for the custom framework.
- Integrated Docker into the development cycle, enhancing the consistency of the development and deployment processes.
- Empowered the admin dashboard's functionalities and user experience, utilizing tools like Twig for templating and Angular for dynamic interfaces.
- Utilized Ansible for automation, ensuring streamlined deployment processes and efficient infrastructure management.
- Adopted Gulp to automate routine tasks, fostering a more efficient and productive development workflow.

Full Stack Developer I · RE/MAX

October 2021 – July 2022

Denver, Colorado

- Key player on a 4-6 person Agile development team architecting solutions for complex business problems.
- Built and enhanced current single page applications and components to interact with RESTful APIs enhancing and interacting with a CI/CD pipeline.
- Implemented features and fixed bugs through iterative deployment.
- Developed maintainable and reusable code using OOP methodologies.
- Practiced Test Driven Development, utilizing CI/CD pipelines using Jasmine and Cypress.
- Enhanced REST API to support front end Angular and Vue applications.
- Identified ways to enhance the user experience through iterative implementation.
- Supported multiple enterprise websites and applications with latest versioning.
- Became subject matter expert on front end development by continuing to enhance the dashboard for brokers and agents.
- Increased speed of tests by improving PHPUnit on the backend and Jasmine and Cypress tests on the front end.
- Assisted in creation of new dashboard elements using AngularJS v9.

Software Developer · Masonite

June 2020 – September 2021

Tampa, Florida

- Utilized SSH and VPN to access files remotely, enhancing current website experience to a more updated feel.
- Performed Git functions for migration & deployments within a QA environment before releasing to Production.
- Created faster performing Wordpress sites and plugins based on a legacy design.
- Collaborated with multiple digital teams for the development of landing pages.
- Configured user-specific roles to display protected assets only when signed in.
- Performed three major application style upgrades in a five month period.
- Enhanced user experience and page load speeds by over 40%.
- Increased SEO value on multiple projects with correctly configured pages.

Software Engineer & Administrator · Ideal Image

June 2017 – March 2020

Tampa, Florida

- Worked within a lean two-person development team to design, build, and maintain all client-facing web properties.
- Maintained paid and organic WordPress sites for generation of leads.
- Developed pages using Laravel and PHP that connect to MySQL databases, capturing and submitting front end form data to a Salesforce API endpoint.
- Utilized tracking platforms such as Google Optimize, analytics, and search engine tools to track page speed, attribution of users and user experience (UX).
- Migrated paid and organic websites from static HTML/CSS to WordPress CMS.
- Utilized File Transfer Protocol (FTP) tools to upload files to a load-balanced server that rendered webpages from a CDN (Content Distribution Network).
- Created and set up front end design and back end functionality for events, promotions, and franchise locations to increase lead conversion.
- Completed multiple successful website rebranding deployments; A/B testing on one redesign showed a 60% increase in user engagement.
- Nominated for Employee of the Month for redesigning and rebranding website.
- Created landing pages for Ads, Events, and promotional lead generation.
- Updated 3 - 4 site domains at a time to have consistency throughout our brand.
- Added code and tracked A/B testing on new pages to increase lead generation.
- Managed various agencies for digital asset requirements

IT Intern (Part-Time) · A Better Computer, Inc.

June 2016 – July 2018

Tampa, Florida

- Continued this unpaid internship part-time, evenings and weekends, alongside full-time roles at HealthAxis Group and later Ideal Image, to build hands-on experience outside the classroom.

- Applied web fundamentals from the initial consultation with customers to delivering fully functioning websites.
- Registered Domains and Web Hosting administration using cPanel
- Created e-mail forwarders for business websites
- Installed setup and configured content management software (Wordpress CMS)

Programmer Analyst I · HealthAxis Group

June 2016 – June 2017

Tampa, Florida

- Designed, developed, documented, analyzed, created, tested and modified PHP, Javascript, and HTML code and integrations.
- Analyzed user information based on programmatic needs of the customer.
- Implemented code using PHP and a relational database management system.
- Using a dynamic IVR telephony system, maintained, debugged and re-structured an application coded using a Zend framework.
- Assisted in bug fixes and feature updates to internal CRM coded in Zend.

Manager · Publix Super Markets

2005 – 2015

Tampa, Florida

- Managed day-to-day store operations and led a team of employees over a 10-year tenure in a large, high-volume retail environment.
- Built a foundation in leadership, operations, and people management that still shapes how I lead technical projects and support teammates today.

PROJECTS

Pool Queue

A Laravel app for running a pool/billiards game night: players join a queue, get matched into games, track turns and scores in real time, and see standings on a leaderboard. Built with no Node/Vite build step (plain committed CSS) for straightforward cPanel deployment.

Laravel 13, PHP, MySQL

Password Generator

A configurable password generator built with React and React-Bootstrap: adjustable length plus independent uppercase, lowercase, number, and symbol toggles, with one-click copy to clipboard.

React 18, React-Bootstrap

Home & Vehicle Maintenance Tracker

A Laravel app that tracks recurring maintenance across home and vehicle assets (AC filters, brake pads, and similar recurring items) and predicts the next due date for each. Vehicle items use a mileage-projection model — average miles/day derived from logged odometer readings — falling back to a calendar-interval model for time-based items, with overdue/due-soon/ok status surfaced on a dashboard.

Laravel 13, MySQL, Tailwind CSS

Laravel Dev Environment Tooling

A CLI (`dev spinup-new` and companion commands) that automates the full lifecycle of a Laravel project on a shared Docker/WSL PHP + MySQL stack: creates a dedicated database and user, scaffolds the app via Composer, wires the .env, runs migrations, registers the project in a lightweight local registry, and starts/stops/serves it on an auto-allocated port.

Bash, Docker Compose, PHP, MySQL

CERTIFICATIONS

Learning Go

Udemy · November 2025

EDUCATION

Hillsborough Community College — Computer Engineering

Dec 2004 – Mar 2006

Ironhack (Miami) — Full Stack Web Development — Ruby on Rails, JavaScript, HTML/CSS (8-week intensive; one of Ironhack's first Miami cohorts)

2015 – 2015

WEBSITE EXAMPLES

3D Website (<https://threejs.adamlopez.co>) — Atlanta Chiropractic Works (<https://www.atlantachiro.com>) — Lopez E-Comm (<https://lopez-ecomm.adamlopez.co>) — Adam's Portfolio (<https://portfolio.adamlopez.co>) — Password Generator App (<https://passgen.adamlopez.co>) — Who's Picking (<https://whospicking.adamlopez.co>)