

Camilo Payan

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Summary

Experienced and driven developer who enjoys solving challenging problems and staying on the edge of web technology. Whether configuring servers or planning features, I bring informed opinions, enthusiasm for collaboration, clear communication, and an eye for maintainability.

Experience

Software Development Engineer, Residential Elevator Manufacturing Inc.

September 2017 - Present

Responsible for planning, designing, and implementing applications to support the business goals of Residential Elevator Manufacturing, Inc.

Technologies

PHP, Laravel, CSS, Bootstrap, Javascript, VueJS, CircleCI, Debian Linux, Jigsaw Static Site Generator, AWS Lambda, AWS S3, Netlify, HTML, Javascript, CSS, Golang, Shopify, Vagrant

MobilityInstall Portal

The business problem was to streamline and standardize the process for elevator buyers, installers, and planners. This was a greenfield project.

- Translated business needs into a software/database design that supports our elevator construction workflow for 4000+ customers.
- Created a visual design that is simple, accessible, and usable for customers and staff.
- Built server infrastructure to deploy the application, backup data, and support our quality assurance and continuous integration needs.
- Developed business processes for continuous development and project management.

Static Sales Sites with Serverless

Our goal was a maintainable, repeatable solution that would allow us to quickly create content sites that focus on different regions, but otherwise contain similar content. The solution I chose was a static site using Netlify and AWS Lambda functions.

- Migrated content from an existing database-driven site to a static website without rewriting by leveraging a Laravel Blade static site generator, saving months of work.
- Leveraged Netlify's continuous integration to build and deploy the static site.
- Used AWS Lambda to process forms and deliver quotes to prospective customers.

Front-End Development Instructor, Savvy Coders

June 2017 - August 2017

Taught front-end development to six career-changers in an intensive 6-week course. Students learned Javascript, HTML, and CSS, covering the basics of computer programming and front-end development. Students used Firebase and Github to create live real-world projects.

PHP Developer, Sonny's The Car Wash Factory

August 2015 - September 2017

Delivered high-quality software for a back-office business application that allows car wash owners to manage their car wash. Architected features based on SOLID design principles.

Technologies

PHP, Symfony, Twig, Codeception, PHPUnit, MySQL, Javascript, HTML, CSS, Git, Vagrant, Node

Car Wash Controls Back-Office v15

- Translated business needs into features that were delivered accurately and on time
- Designed 12 reports based on business transaction data that give accurate and real-time views of a client's car wash.
- Introduced unit and functional tests to improve throughput, consistency, and code quality.
- Created database migrations so that our 100+ existing clients can move from our legacy application to the new version in a consistent, error-free way.

MyWashAccount E-Commerce Project

This is a project to allow car wash customers to manage their accounts, reload existing accounts, and create new accounts with one of our car wash clients.

Car Wash Controls Support Tools

Architected a RESTful API for communication between 100s of point-of-sale devices in the field and in-house servers so that diagnostic information could be retrieved.

Full Stack Web Developer, Florida International University

May 2011 - August 2015

Technologies

Cascade Server, Python, XSLT, Apache Velocity, CentOS, Javascript, JQuery, ADA508 Compliance, WAVE Web Tool, NPM, Browser Testing, Google PageSpeed Insights

Cascade Server and Content Websites

- Built over 50 content websites for University clients, using the Cascade Server CMS and XSLT templates to deliver static HTML pages to servers. These sites were used by 1000s of students and academics daily.

Public Speaking and Teaching

The Fault In Our Code

<https://camilopayan.com/talks/the-fault-in-our-code/>

A talk about specific repeatable methods and tools in PHP and JS to lower the amount of time you take to solve and correct bugs in code. Delivered at MiamiJS and SunshinePHP 2020.

Git Internals

<https://camilopayan.com/talks/git-internals/>

A talk about the internal workings of Git. Delivered several times in Tennessee and Florida, including PyTennessee 2018.

Education

B.S., Computer Science - *Florida International University*