Forrest Lyman

Expert full stack developer with 13 years experience doing whatever it takes to make projects successful.

Laguna Niguel, California 92677
forrestswork@gmail.com
linkedin.com/in/forrestlyman
forrestlyman.github.io

EXPERIENCE

ComerBeber / Digitalus Media, Ensenada — *Project Lead*

May 2018 - PRESENT

ComerBeber is a visual guide of the best food and wine in México

- I developed this react based application that enables the content management team to import and publish social media, averaging 500+ posts per hour
- Engineered intelligent SSR where the basic pages are rendered server side, while more in depth content is loaded asynchronously on the client
- Developed an Express API which handles all public content access and is served through Firebase Cloud Functions
- Built on Google Cloud Platform, including Firestore document database, Cloud functions, Storage, Authentication, +

React, NextJS, Firebase Platform, Facebook API / SSO, Express API

Dig Framework / Digitalus Media, Ensenada — *Project Lead*

May 2018 - PRESENT

DigFramework is an OS app framework built on a React, Material UI, and Google Cloud Platform

- Provides a themeable UI out of the box, including layouts and common form views
- Manages and provides key application state including the authenticated user, data, and theme
- The Dig Data Client provides preconfigured, optimized access to a range of data sources

React, Material UI, Firebase Platform, NPM, Open Source

GGV Capital / Haus, Los Angeles — *Senior React Developer*

February 2018 - May 2018

I developed this website with Haus for GGV, a leader in global venture capital with a focus on the tech industry

- We built a React / NextJS based application that can render on the browser or Express server for SEO
- We developed a custom Express / NextJS server to handle our unique

SKILLS

Full stack JavaScript

React

ReactNative IOS / Android

NextJS

Angular

NPM

Babel

Gulp

WebPack

API development

Facebook Graph API

Google APIs

WordPress API

Contentful API

Cloud functions

UI / UX

HTML5

CSS3

CSS animation

SASS

Responsive design

Agile Scrum / Kanban

Jira

Trello

Git + GitFlow

Test driven development

needs while leveraging the core NextJS functionality

- I integrated the site with the Contentful CMS API for the back end

React, NextJS, Docker, Jest Unit Testing, Contentful CMS API

Community / Haus, Los Angeles — *Lead Full Stack Developer*

November 2017 - May 2018

The community leaders website is a project which leads the organization's new corporate strategy to focus on group and community building

- I led development on their WordPress VIP based website
- We utilized vanilla ES6 JavaScript modules with Babel, Gulp, and WebPack to create a lightweight cross browser front end without relying on any frameworks
- I implemented custom CI processes which automatically built and deployed assets to the WordPress VIP platform with Travis and the GitHub API

WordPress VIP, Vanilla JavaScript, Webpack, Gulp, Babel, Travis CI

Time Series / Teradata, San Diego — *Lead Angular4 / API Developer*

May 2017 - September 2017

I designed and developed the Time Series project which enables users to visualize Time Series data with a focus on outlier detection

- I developed a Angular4 based web application for visualizing time-series data
- I developed a Node JS based API which integrates with the Teradata Database REST services
- I architected the application as a set of reusable modules to facilitate implementing additional use cases

Angular 4, Node API, Bootstrap, Data visualization, Karma unit testing

Nebula Project / Teradata, San Diego — *Lead Angular4 / TypeScript Developer*

Jan 2017 - May 2017

Teradata Nebula enables business users and developers to select pre configured or customized deployment packages and quickly roll out in the AWS environment

- I developed their Angular4 - TypeScript based application which provides a wizard based approach to configuring and deploying cloud based infrastructure
- I focused on TDD (test driven development), automating both unit tests and end to end testing
- I developed the UI using the Teradata Covalent platform which integrates Angular 4 and Google Material Design

Angular 2 - 4, Cloud Automation, Google Material Design, TDD, Jenkins CI

Jasmine

Karma

Protractor

Selenium

Continuous Integration

Travis

Jenkins

DevOps / automation

AWS

Google Cloud Platform

Heroku

Now Cloud

Projects

I'm a passionate open source developer and have created several open source projects that are currently being used by organizations worldwide.

Dig Framework

Dig Framework is a new project that I recently released. Its an open source application framework with a React / Material UI client and the Google Cloud Platform for the API.

WordPress NG

WordPress NG is an open source package that contains a collection of services, filters, and directives for publishing WordPress.com blog content in AngularJS apps.

Digitalus CMS

Digitalus CMS was an open source Zend based CMS that was twice nominated for the

Project XQ / Stinkdigital, Los Angeles — *Lead Full Stack Developer*

July 2015 - November 2015

I led the CMS/API development for Project XQ, a nonprofit educational project that enables people to create teams and design their own dream schools

- Developed responsive Bootstrap CSS / JQuery based administration tools for xqsuperschool.org
- I expose all of our content through an AWS based REST API
- I integrated with a range of social media sources including Twitter, Facebook, and Instagram, automating content aggregation
- I developed custom publishing workflow that is based on smart templates that opportunistically match the available data
- Automated significant portions of DevOps with GitFlow, DeployBot, and Amazon Elastic Beanstalk resources

Zend Framework 2, AWS Elastic Beanstalk, Twitter API, Facebook API, Instagram API

Schoolzilla / Schoolzilla, Oakland — *Lead Full Stack Developer*

November 2012 - February 2014

Schoolzilla is an ed-tech startup that builds tools that ultimately impact the lives of millions of students and educators across the country

- I developed the web application that enables school administrators to manage their school's staff and data through a intuitive web UI
- Integrated Tableau data visualization framework
- Implemented SSO with leading SAML providers

Zend Framework 2, AWS, Tableau data visualization, SAML

SZFD / Schoolzilla, Oakland — *Lead API Developer*

November 2012 - February 2014

I architected and developed an application which automated ingestion of millions of student records into the Schoolzilla data warehouse

- I developed a reusable framework utilizing the adapter pattern which enabled our team to write a simple data adapter for each new data source
- We integrated with hundreds of APIs and file based data sources
- We exposed these adapters as micro-services, simplifying integration as the startup grew to serve some of the largest school systems in the country

Zend Framework 2, Data Warehouse, ETL, Micro Services

Pro Zend Framework CMS / Apress, New York — *Freelance Author*

September 2008 - October 2009

I wrote the book, Pro Zend Framework CMS, for Apress Publishing. The book starts with an overview of Zend Framework and then guides the reader

best new open source CMS, and had contributors that spanned the globe including the core Zend and PHP teams.

LANGUAGES

Native English, conversational Spanish

through the process of building a simple content management system from start to finish

- I worked directly with the lead Zend Framework developer to ensure that I understood, followed and explained best practices
- I guided the readers through a hands on project, developing a complete custom CMS
- I balanced explaining high level MVC concepts as well as lower level Zend Framework implementation strategy

Zend Framework 1, Technical Writing, CMS, EAV Data

Digitalus CMS / Open Source, Global — *Project Lead*

January 2007 - November 2012

The Digitalus CMS project grew into a leading open source CMS with 80,000+ downloads and contributors that include the core Zend and PHP teams

- I developed the second largest open source Zend Framework project (Magento is the first)
- I built sites on Digitalus CMS that ranged from bootstrapped nonprofits to commercial enterprise sites that scaled to millions of daily views
- I managed a distributed group of contributors that spanned the globe

Zend Framework 1, Open Source, CMS, MVC, EAV Data