Obed I. Diaz

About

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Languages: Spanish, English
GitHub: github.com/obeddiaz

Skills

Self-taught, fast problem solving by identifying root causes

Technical Skills

JavaScript	ReactJS
PHP	React Native
SQL	Redux
CSS	RxJS
HTML	NodeJS
GIT	AWS
SVN	Serverless
	Express
	Angular
	Laravel 4
	Typescript
	MySQL
	PostgreSQL
	Sass
	Bootstrap 3
	Less

Education

Universidad Politécnica de Aguascalientes

Systems Engineering
August 2010 – Apr 2014

Certifications & Awards

Introduction to Cloud Computing
March 2016 – April 2016
ThingWorx Workshop
February 2017 – April 2017
Illustration Workshop 2D
May 2012 – August 2012

Overview

Software Engineer with 10 years of experience in web development, specializing in JavaScript technologies including React, Redux, RxJS, Node.js, and Express. Adept at designing scalable applications, leading development teams, and integrating cutting-edge tools and practices. Passionate about continuous learning, mentoring, and driving impactful technological solutions.

Professional Experience

Ksquare Solutions INC (Boy Scouts of America) / *Aug 2019 - Present*
Senior Front-End and Back-End Developer. Design, develop, and maintain a high-traffic fundraising platform.

- Provided technical leadership for migrating legacy components to Functional components, leveraging React Hooks and Context API for optimal performance.
- Architected asynchronous data flow with Redux and RxJS, enhancing reliability in high-traffic environments.
- Led backend development using Node.js and Express to build robust REST APIs.
- Administered MySQL databases, ensuring seamless data management and reporting.
- Streamlined CI/CD processes with Git flow integration.

ARCHIVEMENT: Contributed to a platform that has facilitated thousands of donation transactions efficiently (donations.scouting.org)

Ksquare Solutions INC (Verizon) / *September 2018 – July 2019*
Front-End Developer. Enhanced the performance and maintainability of an enterprise site management tool used by internal teams.

- Designed and implemented new features, improving application efficiency.
- Streamlined code maintenance by introducing Redux, reducing controller size and avoiding duplication
- Refactored existing code for better readability and functionality.
- Used Git flow for deployment and development processes.

ARCHIVEMENT: Improved application performance and maintainability through Redux integration.

iTexico (Real Sync) / *July 2017 – September 2018*
Full Stack Developer Worked on a project serving the real estate industry, integrating CRMs and transaction management systems.

- Created a REST API application using Node.js and Express.
- Designed and modified database models to support evolving requirements.
- Built a structure to simplify CRM system integration, improving data request and creation processes.
- Employed Jenkins for continuous integration and delivery.
- Followed Scrum methodology for the development process.

ARCHIVEMENTS: Contributed to key features of RealSynch, enhancing user experience and generating consistent business growth (app.realsynch.com).

Softtek (General Electric) / *February2014 – July 2017*
Frontend and Backend Developer Developed and maintained a training application using WordPress, hosted in an AWS environment with S3 for file storage.

- Enhanced application functionality by developing and implementing new features, including custom themes and plugins.
- Utilized a diverse technology stack: PHP, HTML, CSS, JavaScript, AngularJS, jQuery, Bootstrap, UiKit.
- Developed a plugin to streamline user authentication via Single Sign-On (SSO).
- Created plugins to simplify site and content management, reducing administrative workload.
- Built a plugin enabling developers to manage libraries (e.g., Font Awesome, AngularJS, UiKit, Bootstrap) directly from the site settings, allowing easy activation/deactivation.
- Designed a plugin for adding scripts and styles to specific posts/pages without requiring additional deployments.
- Adopted Agile methodology for efficient task and request management.

ARCHIVEMENTS: Implemented a solution enabling seamless integration of different libraries directly from the dashboard, enhancing development flexibility and efficiency.

Open Source Projects

easy-route-management — https://www.npmjs.com/package/easy-route-management
- Created and published an npm package to simplify dynamic route handling in JavaScript and React-based projects.
- Designed a lightweight, framework-agnostic routing utility with support for optional parameters and nested routes.
- Implemented TypeScript for type safety and scalability.

Independent Projects

March 2022 – Present
Developed a React Native application to manage appointments, upload patient records, and provide secure access to users.

- Built a React Native mobile application tailored to business needs.
- Implemented AWS Cognito for secure login functionality.
- Deployed Docker containers using AWS Elastic Container Registry for scalable infrastructure.
- Leveraged AWS Lambda to automate tasks based on specific schedules, enhancing operational efficiency.

Managed application state effectively with Redux, ensuring a seamless user experience